

澳門特別行政區
REGIÃO ADMINISTRATIVA ESPECIAL DE MACAU

氣象觀測月報
RESULTADOS DAS OBSERVAÇÕES METEOROLÓGICAS

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地球物理暨氣象局
DIRECÇÃO DOS SERVIÇOS METEOROLÓGICOS E GEOFÍSICOS

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一般指引

1. 本月報列出澳門之氣象站、氣候站及遙距觀測站之觀測資料。
2. 每個氣象及氣候觀測站均已給出其地理位置(緯度、經度、高度)，重力加速度及觀測儀器之位置(氣壓計距海平面高度、溫度計、雨量計及風標距地面之高度)。
3. 所有圖表顯示之時間均以東經120度時區時計算(即國際時UTC 加8小時)。
4. 每日平均數值是根據每天二十四小時之觀測資料算出，每月平均數值則是根據每天之觀測資料或每天之平均數值算出。如沒有記錄之資料以“-”符號代替，而當其記錄是不完整時則以“紅色斜體字”表示。
5. 自二零零一年，氣候標準值(三十年平均值)是根據澳門氣象局自一九七一年至二零零零年之觀測資料計算。極端數值則自一九零一年或一九五二起計算，凡自一九五二年起計算者均以符號「a」提示。
6. 各種氣象參數量度方法簡述如下：

大 氣 壓 力 : 以水銀氣壓計(kew型號)及每日自記式之氣壓記錄儀量度，圖表上所載之數值(在澳門氣象局)是以水銀槽高度計算，以百帕斯卡為單位。自2002年8月1日，本局改用(Vaisala MILOS 500)進行有關測量。自2008年9月1日，本局改用(Vaisala MAWS301)進行有關測量。

氣 溫 : 以藏在百葉箱內之水銀及酒精溫度計和日記式溫度記錄儀量度，以攝氏為單位。自2002年8月1日，本局改用(Vaisala MILOS 500)進行有關測量。自2008年9月1日，本局改用(Vaisala MAWS301)進行有關測量。

露 點 : 將乾、濕溫度計之讀數，代入對數表而獲得；該對數表是根據以下之公式計算， $e=ew-ap(T-T_w)$ 而 $a=0.00066(1+0.00115T_w)$ 。露點溫度以攝氏為單位。自2002年8月1日，本局改用(Vaisala MILOS 500)進行有關測量。自2008年9月1日，本局改用(Vaisala MAWS301)進行有關測量。

相 對 濕 度 : 以藏在百葉箱內之乾、濕溫度計及自記式乾濕記錄儀量度。圖表中之數值為相對濕度，以百分比為單位。自2002年8月1日，本局改用(Vaisala MILOS 500)進行有關測量。自2008年9月1日，本局改用(Vaisala MAWS301)進行有關測量。

雨 量 : 以直徑203毫米之雨量計及自記式雨量記錄儀量度，以毫米為單位。當降水量低於0.1毫米時，以微量(VST)雨量記錄代表。自2002年8月1日，本局改用(Vaisala MILOS 500)進行有關測量。自2008年9月1日，本局改用(Vaisala MAWS301)進行有關測量。

風 : 風向、風速均以(Vaisala型號)之風向風速計連續測量。風向以16個方位表示，風速及陣風以公里/小時為單位；盛行風向為每小時多吹之風向，而附隨之風速是每小時平均風速。靜風(平均風速介乎0至1公里/小時之間)則以字母「C」代表。

雲 量 : 代表天空被雲覆蓋之份數(0至10份)。

日 照 量 : 以日光光度計(Campbell - Stokes)量度實際日照時數，以小時為單位。

總 輻 射 : 以Kipp & Zonen廠CM11型號之日照儀裝置於戶外接收太陽輻射，並由同廠CC12型電子日照累積儀記錄。以(10^{-2} MJm⁻²)為單位。

漫射太陽輻射 : 以Kipp & Zonen廠CM121型號之日照儀裝置於戶外接收太陽輻射，並由同廠CC12型電子日照累積儀記錄。以(10^{-2} MJm⁻²)為單位。

最低草溫 : 於每日九時以最低溫度計量度最低草地溫度。

土壤溫度 : 於每日九時以水銀溫度計分別量度土地深度為10厘米、20厘米、50厘米及100厘米之溫度。

海水溫度 : 在北緯22° 8'，東經113° 36'30"海域，放置一溫度感應器記錄海面溫度。

蒸 發 量 : 於每日九時，以掛於百葉箱之蒸發計測量，及觀測場內之不銹鋼蒸發盤量度，以毫米為單位。

蒸發量附隨之觀測: 測量蒸發量之同時，在A型蒸發盤量度每日水溫極值及風程計算。

水 平 能 見 度 : 根據目測估計之距離(公里)。

地 表 狀 況 : 於每日九時所觀察之地面狀況:
0 - 乾地 1 - 微濕地 2 - 濕地或有積水

天 氣 概 況 : 各種天氣概況之簡述如下:

a - 上午	OR - 露水
p - 下午	NB - 薄霧
n - 晚間	NV - 霧
m - 凌晨	BS - 煙霞
	AI - 彩虹
CH - 雨	RP - 閃電
CV - 毛毛雨	TR - 雷
AG - 驟雨	CS - 日冕
BO - 颱風	CL - 月冕
TM - 水龍捲	HS - 日暈
	HL - 月暈

INDICAÇÕES GERAIS

1. No presente volume publicam-se os resultados das observações das Estações Meteorológicas, Climatológicas e de Telemetria de Macau.
2. Para cada Estação Meteorológica ou Climatológica dão-se os elementos necessários para determinação da sua posição (Latitude, Longitude e Altitude), a aceleração da gravidade e os elementos referentes à posição dos sensores (altitude do nível da tina do barómetro, alturas acima do solo do reservatório do termómetro seco, da boca do udómetro, do anemómetro e do catavento).
3. As horas inscritas nos quadros referem-se ao tempo médio do meridiano 120° E (Tempo Universal Coordenado - UTC, acrescido de 8 horas).
4. Os valores médios diários foram calculados para 24 horas de observações diários e os valores médios mensais a partir das observações diárias ou dos valores médios diários das observações. Quando as informações não forem registadas são assinaladas por dois traços "--" e as incompletas são assinaladas por caracteres em itálico vermelha.
5. As normais climatológicas referentes à Estação Meteorológica de Macau foram, a partir de 2001, calculadas para o período de 1971-2000, sendo os valores extremos apresentados referentes ao período são contados a partir de 1901 ou 1952, sendo os contados a partir de 1952 assinalados com a).
6. Descrevem-se sumariamente os processos de medição dos valores dos diversos parâmetros meteorológicos:

Pressão Atmosférica - Mede-se com um barómetro de mercúrio (tipo KEW) e com um barógrafo de rotação diária. Os valores inscritos no quadro (Estação Meteorológica de Macau) referem-se à pressão atmosférica ao nível da tina e exprimem-se em hectopascals. A partir de 1 de Agosto de 2002, é medida com sensor da Vaisala MILOS 500. A partir de 1 de Setembro de 2008, é medida com sensor da Vaisala MAWS301.

Temperatura do Ar - Mede-se com termómetros de mercúrio e de álcool e termógrafo de rotação diária, colocados em abrigo de Stevenson. Os valores inscritos no quadro exprimem graus Celsius. A partir de 1 de Agosto de 2002, é medida com sensor da Vaisala MILOS 500. A partir de 1 de Setembro de 2008, é medida com sensor da Vaisala MAWS301.

Ponto de Orvalho - Os valores da temperatura do ponto de orvalho são calculados através das leituras do termómetro seco e do molhado, utilizando-se as tabelas, obtidas através da expressão: $e = e_w - a_p(T - T_w)$, onde, $a = 0,00066(1 + 0,00115T_w)$. Os valores inscritos no quadro exprimem graus Celsius. A partir de 1 de Agosto de 2002, é medida com sensor da Vaisala MILOS 500. A partir de 1 de Setembro de 2008, é medida com sensor da Vaisala MAWS301.

Humidade Relativa - Mede-se com psicrómetro e higrógrafo colocados em abrigo Stevenson. Os valores inscritos no quadro exprimem por cento. A partir de 1 de Agosto de 2002, é medido com sensor da Vaisala MILOS 500. A partir de 1 de Setembro de 2008, é medida com sensor da Vaisala MAWS301.

Precipitação - Mede-se com um udómetro de 203mm de diâmetro e com um udógrafo. Os valores inscritos no quadro exprimem milímetros de precipitação. Quando a precipitação for inferior a 0,1mm é registado por VST. A partir de 1 de Agosto de 2002, é medido com sensor da Vaisala MILOS 500. A partir de 1 de Setembro de 2008, é medida com sensor da Vaisala MAWS301.

Vento - A direcção do vento referida a 16 rumos, a velocidade expressa em quilómetros por hora e a velocidade instantânea (rajadas) foram obtidas a partir do registo contínuo de um anemómetro Vaisala. As direcções inscritas no quadro são as predominantes em cada hora e os números que se lhes seguem são as velocidades médias horárias. O símbolo "C" significa "calma" (incluindo nesta designação velocidades médias do vento compreendidas entre 0 e 1 km/h).

Nebulosidade - Os valores inscritos são avaliados por estimativa e exprimem décimos (0 a 10) do céu coberto.

Insolação - Mede-se com um heliógrafo Fuess, tipo Campbell-Stokes e os valores inscritos no quadro exprimem horas.

Radiação Global - Um piranómetro CM11 da fábrica Kipp & Zonen para medir a radiação solar e instalado no exterior; um integrador solar electrónico CC12 para registo, da mesma fábrica. Os valores inscritos no quadro exprimem (10^{-2} MJm^{-2}).

Radiação Difusa - Um piranómetro CM121 da fábrica Kipp & Zonen para medir a radiação solar e instalado no exterior; um integrador solar electrónico CC12 para registo, da mesma fábrica. Os valores inscritos no quadro exprimem (10^{-2} MJm⁻²).

Temperatura Mínima na Relva - Mede-se com um termómetro mínima, lido, diariamente, às 9 horas.

Temperatura do Solo - Mede-se às profundidades de 10cm, 20cm, 50cm e 100cm, com termómetros de mercúrio, lidos, diariamente, às 9 horas.

Temperatura da Água do Mar - Mede-se com um sensor de temperatura incorporado no ondógrafo, localizado na latitude de 22° 8'N e longitude de 113° 36'30"E.

Evaporação - Mede-se com um evaporímetro de Piche colocado em abrigo de Stevenson e em tina de classe A, lidos, diariamente, às 9 horas. Os valores inscritos exprimem milímetros.

Observações Complementares da Evaporação - Complementarmente às da evaporação em tina de classe A, fazem-se leituras das temperaturas extremas da água e do percurso diário do vento.

Visibilidade Horizontal - Avalia-se por estimativa, à vista desarmada, e os valores inscritos no quadro exprimem quilómetros.

Estado do solo – Observa-se, diariamente às 9 horas e os valores inscritos exprimem:

0 – solo seco, 1 – solo húmido, 2 – solo molhado ou com poças de água.

Evolução do tempo – É indicada pelas repectivas abreviaturas como abaixo se específica:

a - Durante a manhã	OR - Orvalho
p - Durante a tarde	NB - Neblina
n - Durante a noite	NV - Nevoeiro
m - Durante a madrugada	BS - Bruma sêca
	AI - Arco-íris
CH - Chuva	RP - Relâmpago
CV - Chuvisco	TR - Trovoada
AG - Aguaceiros	CS - Coroa solar
BO - Borrasca	CL - Coroa lunar
TM - Tromba marítima	HS - Halo solar

觀測站及信號懸掛點分佈圖

CARTA DOS LOCAIS COM OBSERVAÇÕES E MASTROS DE SINAIS DE TEMPESTADE



氣象站及氣候站簡介

Elementos referentes às Estações Meteorológicas e à Estação Climatológica

名稱 Nome	ϕ	λ	Hs (m)	g (m/s ²)	Hb (m)	ht (m)	hr (m)	ha (m)	hd (m)
大潭山 Taipa Grande	22° 09'36"	113° 33'54"	110,00	9,7877	114	1,4	1,4	15,4	15,4
九澳 Ka - Hó	22° 08'09"	113° 34'39"	27,00	9,7877		1,5	1,5	13,5	13,5
大炮台山 Fortaleza do Monte	22° 11'54"	113° 32'21"	59,00			3,0	7,0	9,0	9,0
紀念孫中山市政公園 Parque Municipal Dr. Sun Yat Sen	22° 12'55"	113° 32'36"	12,3			1,9	1,9	10,0	10,0
澳門污水處理廠 E.T.A.R de Macau	22° 12'26"	113° 33'36"	11,3			1,8		7,0	7,0
海事博物館 Museu Marítimo	22° 11'09"	113° 31'50"	14,9			3,7	2,2	7,0	7,0
路環分站 Delegação de Coloane	22° 07'03"	113° 32'54"	3			1,5	1,5	10,0	10,0
嘉樂庇總督大橋 Ponte Governador Nobre de Carvalho	22° 10'51"	113° 32'30"	39,40					7,0	7,0
友誼大橋南峰 Ponte de Amizade Sul	22° 10'54"	113° 33'36"	39,64					8,0	8,0
友誼大橋北峰 Ponte de Amizade Norte	22° 11'30"	113° 33'36"	39,64					8,0	8,0
西灣大橋 Ponte Sai Van	22° 10'32"	113° 32'05"	37,5					9,3	9,3

ϕ - 緯度
Latitude

λ - 經度
Longitude

Hs - 高度
Altitude

g - 重力加速度
Aceleração da gravidade

Hb - 放置氣壓距海平面之高度
Altitude do nível da tina do barómetro

ht - 放置乾溫度計距地面之高度
Altura do reservatório do termómetro seco acima do solo

hr - 雨量計距地面之高度
Altura da boca do udómetro acima do solo

ha - 風力計距地面之高度
Altura do anemómetro acima do solo

hd - 風標距地面之高度
Altura do catavento acima do solo

本月天氣狀況及氣象統計

SITUAÇÃO GERAL E RESULTADO DE OBSERVAÇÃO METEOROLÓGICA

2010 年部份氣象要素之月及年統計值

RESULTADOS MENSIS E ANNUAL DE ALGUNS ELEMENTOS METEOROLÓGICOS EM 2010

MONTHLY AND ANNUAL STATISTIC OF SELECTED METEOROLOGICAL PARAMETERS FOR 2010

	一月	二月	三月	四月	五月	六月	七月	八月	九月	十月	十一月	十二月	全年	日期
	JAN	FEV	MAR	ABR	MAI	JUN	JUL	AGO	SET	OUT	NOV	DEZ	ANO	Data
海平面氣壓 (hPa)														
Pressão atmosférica ao nível do mar (hPa)														
絕對最高	1028.7	1026.2	1030.0	1022.5	1018.6	1011.9	1013.1	1015.2	1015.7	1024.0	1022.4	1024.1	1030.0	03-10
Máxima absoluta														
平均	1020.3	1016.3	1017.3	1015.3	1008.6	1007.6	1007.9	1008.0	1008.7	1012.6	1017.2	1016.4	1013.0	
Média														
絕對最低	1013.0	1007.3	1008.0	1006.2	1000.6	1000.4	1004.3	1000.7	997.5	1002.7	1010.0	1008.5	997.5	09-20
Mínima absoluta														
平均日較差	4.1	4.2	4.6	4.5	3.8	3.2	3.0	3.4	3.8	3.8	4.0	4.4	3.9	
Variação média diurna														
氣溫 (°C)														
Temperatura do ar (°C)														
絕對最高	25.5	26.2	26.8	26.9	31.8	31.4	33.8	34.8	35.8	31.9	28.6	28.0	35.8	09-01
Máxima absoluta														
平均最高	18.5	18.8	21.8	22.7	28.1	28.5	31.9	32.1	31.1	27.6	24.9	21.5	25.6	
Média das máximas														
平均	15.4	16.3	18.8	20.1	24.9	26.1	28.5	28.2	27.3	24.0	20.6	17.1	22.3	
Média														
平均最低	13.1	14.8	16.8	18.2	23.0	24.5	26.0	25.2	24.7	21.8	17.9	13.8	20.0	
Média das mínimas														
絕對最低	7.9	5.6	6.9	11.8	19.7	19.8	23.3	22.2	22.5	14.8	15.2	4.0	4.0	12-17
Mínima absoluta														
平均日較差	5.4	4.0	5.0	4.6	5.2	4.0	5.8	6.9	6.4	5.8	7.0	7.6	5.6	
Variação média diurna														
相對濕度 (%)														
Humidade relativa														
平均	79	86	83	91	86	85	78	77	80	72	74	71	80	
Média														
絕對最低	36	56	37	49	29	57	47	39	37	34	29	24	24	12-08; 12-31
Mínima absoluta														
雲量 (0 -10)	7.9	9.6	7.8	9.5	8.2	8.6	7.0	7.0	7.1	6.2	4.0	4.4	7.3	
Nebulosidade (0 -10)														
日照量 (h)	81.6	25.6	81.0	24.6	98.5	74.4	262.4	223.9	154.9	159.3	197.3	173.9	1557.4	
Insolação (h)														
雨量 (mm)														
Precipitação (mm)														
總數	33.8	96.2	31.6	145.2	277.2	517.6	154.0	266.0	543.0	46.2	37.2	24.6	2172.6	
Total														
降雨日數	11	15	5	12	14	19	15	20	17	8	3	5	144	
Número de dias com precipitação														
最高日雨量	10.4	54.8	20.4	72.6	79.4	148.4	38.0	47.2	153.4	22.4	15.6	17.4	153.4	09-11
Máxima diária														
最高時雨量	6.0	16.4	11.6	22.0	30.0	59.0	14.2	29.2	73.0	9.4	3.2	4.0	73.0	09-11
Máxima horária														
風														
Vento														
盛行風向	NNE	S	SSE	SSE	SE	S	S	S	ESE	NNE	NNE	NNE	NNE	
Direcção predominante														
平均風速 (km/h)	12.6	13.3	13.6	13.1	10.4	9.9	10.0	9.2	8.8	19.0	13.2	13.9	12.2	
Velocidade média														
最高陣風 (km/h)	62	59	79	58	80	64	72	93	80	69	55	86	93	08-05
Rajada máxima (km/h)														

本月氣象要素統計值及其與氣候平均值之偏差

OS VALORES DE ALGUNS ELEMENTOS METEOROLÓGICOS OBSERVADOS DURANTE O MÊS E OS RESPECTIVO DESVIOS EM RELAÇÃO AOS VALORES NORMAIS
 THE MONTHLY FIGURES AND THE DEVIATION FROM THE CLIMATOLOGICAL NORMALS

氣溫 (°C) Temperatura do ar (°C)		
平均 Média	15.6 (a)	-1.2
平均最高 Média das máximas	19.4	-0.7
平均最低 Média das mínimas	12.8 (b)	-1.2
雨量 (mm) Precipitação (mm)		
自一月起之累積雨量	1363.6	-694.5
平均相對濕度 (%) Humidade relativa média (%)		
蒸發量 (mm) Evaporação (mm)		
日照量 (h) Insolação (h)		
風 Vento		
盛行風向及其平均風速 Direcção predominante	N	21.9
平均風速 (km/h) Velocidade média	19.4	

(a) 自1999年以來，該月份最低。

(a) A mais baixa do mês desde 1999

(b) 自1999年以來，該月份最低。

(b) A mais baixa do mês desde 1999

(c) 自2006年以來，該月份最高。

(c) A mais elevado do mês desde 2006

氣候平均值(1971至2000)及氣候極值(1901至2010)

VALORES NORMAL (1971 - 2000) E OS EXTREMOS REGISTRADOS (1901 -2010)

CLIMATOLOGICAL NORMALS (1971 - 2000) AND EXTREME VALUES (1901 - 2010)

註: (a) 自1952年; (b) 1952年前之日雨量為09時至09時雨量

Nota: (a) A partir de 1952; (b) Os registos da quantidade de precipitação antes de 1952 é contado das 9 às 9 horas

Note: (a) Since 1952, (b) The daily precipitation is calculated from 09 to 09 before 1952.

	一月	二月	三月	四月	五月	六月	七月	八月	九月	十月	十一月	十二月	全年	日期
	JAN	FEV	MAR	ABR	MAI	JUN	JUL	AGO	SET	OUT	NOV	DEZ	ANO	Data
海平面氣壓 (hPa)														
Pressão atmosférica ao nível do mar (hPa)														
絕對最高 (a)	1033.2	1031.7	1034.4	1029.3	1027.0	1014.9	1028.8	1023.2	1019.7	1025.0	1031.6	1033.8	1034.4	2005-03-05
Máxima absoluta														
平均	1020.5	1018.8	1016.2	1013.1	1009.5	1006.3	1006.0	1005.5	1009.2	1014.4	1018.1	1020.8	1013.2	
Média														
絕對最低 (a)	1003.5	1003.3	1002.8	987.8	981.5	973.3	983.1	971.8	966.4	991.7	987.7	1001.5	966.4	1964-09-05
Mínima absoluta														
平均日較差	4.0	4.0	4.2	3.9	3.4	3.1	3.3	3.4	3.5	3.5	3.8	4.0	3.7	
Variacão média diurna														
氣溫 (°C)														
Temperatura do ar (°C)														
絕對最高	29.1	30.2	31.5	35.3	37.5	36.9	38.9	38.5	38.1	36.0	34.2	30.0	38.9	1930-07-02; 1930-07-06
Máxima absoluta														
平均最高	18.2	18.5	21.0	24.7	28.4	30.3	31.6	31.5	30.4	28.1	24.1	20.1	25.6	
Média das máximas														
平均	15.1	15.8	18.3	22.1	25.6	27.6	28.6	28.4	27.4	25.0	20.9	16.8	22.6	
Média														
平均最低	12.5	13.6	16.2	20.2	23.6	25.6	26.2	26.1	25.1	22.6	18.3	14.0	20.3	
Média das mínimas														
絕對最低	-1.8	0.4	3.2	8.5	13.8	18.5	19.3	19.0	13.2	9.5	5.0	0.0	-1.8	1948-01-26
Mínima absoluta														
平均日較差	5.7	4.9	4.8	4.4	4.8	4.7	5.3	5.4	5.4	5.5	5.9	6.1	5.2	
Variacão média diurna														
相對濕度 (%)														
Humidade relativa														
平均	73.8	81.0	84.5	86.1	84.4	84.0	81.8	81.4	77.9	72.4	70.2	68.5	78.8	
Média														
絕對最低 (a)	10	19	13	26	20	23	35	35	25	20	16	11	10	1968-01-15
Mínima absoluta														
雲量 (0 -10)	6.2	7.5	8.1	8.4	7.8	7.7	6.9	7.0	6.5	5.3	5.1	5.1	6.8	
Nebulosidade (0 -10)														
日照量 (h) (a)	127.4	79.4	71.5	85.3	136.4	155.3	223.2	195.4	176.5	192.3	172.2	159.1	1773.9	
Insolação (h)														
雨量 (mm)														
Precipitação (mm)														
平均	26.5	59.5	89.3	195.2	311.1	363.8	297.4	343.1	219.5	79.0	43.7	30.2	2058.1	
Média														
降雨日數	5.5	9.9	11.7	12.0	13.9	17.7	16.0	16.0	12.3	6.1	4.6	4.5	130.2	
Número de dias com precipitação														
最高月雨量 (b)	153.1	279.0	477.8	749.4	975.2	1204.0	917.9	836.4	621.4	405.1	244.4	150.8	1204.0	2008-06
Máxima mensal														
最高日雨量 (b)	106.2	67.2	91.1	303.2	348.2	304.3	240.2	275.8	280.2	316.6	217.4	118.2	348.2	1972-05-10
Máxima diária														
最高時雨量 (a)	17.8	25.6	45.6	100.4	107.2	75.6	90.4	94.0	125.1	52.6	42.0	19.0	125.1	1964-09-06
Máxima horária														
風														
Vento														
盛行風向	N	N	ESE	ESE	ESE	S	SSW	ESE	ESE	N	N	N	N	
Direcção predominante														
平均風速 (km/h)	14.1	13.3	12.7	12.6	12.6	12.7	12.4	11.4	13.1	14.5	15.1	14.8	13.3	
Velocidade média														
最高陣風 (km/h) (a)	90	93	100	121	139	152	141	152	211	132	130	91	211	1964-09-05
Rajada máxima (km/h)														

澳門氣象月報 (2011 年 12 月)

本月比正常氣溫偏低，月平均氣溫及平均最低氣溫分別為攝氏 15.6 度及 12.8 度，均是自 1999 年當月最低值，分別比正常低 0.9 度及 1.0 度。本月日照量為 178.9 小時，為自 2006 年以來當月最高值。截至本月底，本年累積雨量為 1363.6 毫米，比正常值少 769.8 毫米。

本月共懸掛 3 次強烈季候風信號(黑球)。

首天，一道冷鋒南下橫過華南沿岸，令本地區氣溫略降。受一股乾燥的冬季季風影響，隨後三天天氣寒冷及天晴。5 日至 7 日，雲量增多，有微雨、薄霧及煙霞。

本地區於 8 日至 11 日均受到強烈冬季季風影響，期間由於風勢較強，本局遂於該四天先後兩懸掛強烈季候風信號(黑球)。受冬季季風影響，隨後兩天天氣寒冷及天晴。14 日及 15 日天氣乾燥，隨著冬季季候風逐漸緩和，日間氣溫上升至 20 度以上。

另一股冬季季風於 16 日抵達廣東沿岸，本地區 17 日至 19 日大致天晴，但有幾陣微雨及煙霞。受位於華南及南海北部的一道廣闊雲帶影響，20 日及 21 日雲量增多及有煙霞。

22 日開始，再有一股冬季季風影響華南地區。隨著冬季季風持續增強，本局遂於 23 日晚上至 24 日下午懸掛強烈季候風信號(黑球)，而隨後兩天天氣寒冷。本月餘下時間受壹大陸性反氣旋影響，天色由天晴漸轉多雲，有幾陣微雨、薄霧及煙霞。

RESUMO DO ESTADO DO TEMPO EM MACAU NO MÊS DE DEZEMBRO DE 2011

A temperatura do ar deste mês esteve mais baixa do que o valor normal. A média temperatura do ar mensal e a média das mínimas foram de 15,6 graus Celsius e de 12,8 graus Celsius respectivamente que são os valores mais baixos em Dezembro desde 1999 e estão em 0,9 grau Celsius e em 1,0 grau Celsius inferiores do que os valores normais. A insolação mensal registou-se de 178,9 horas que foi o valor mais alto em Dezembro desde 2006. A precipitação acumulada até final deste mês registou-se 1363,6 milímetros, em 769,8 milímetros menos do que o valor normal.

O sinal de ventos fortes de monção (bola preta) foi hasteado três vezes durante este mês.

No primeiro dia em Dezembro, uma frente fria atravessou-se pelas regiões meridionais da China que se ocasionou a temperatura da região pouca descida. Sob a influência duma seca monção de inverno, nos três dias seguintes, o tempo esteve frio e o céu apresentou-se pouco nublado. Entre os dias 5 a 7, aumentaram as nebulosidades, havendo chuva fraca, neblina e bruma seca.

No período de 8 a 11 dias, o tempo da região esteve impactado por uma monção de inverno. Na altura, o vento tornou-se forte. Portanto, o sinal de ventos fortes de monção (bola preta) foi hasteado duas vezes nos referidos quatro dias. Sob a influência da monção de inverno, o tempo dos dois dias seguintes esteve frio com o céu pouco nublado. Dias 14 e 15, o tempo foram seco. Com o enfraquecimento da monção de inverno, a temperatura no dia ultrapassou-se por 20 graus Celsius.

Entretanto, a outra monção de inverno chegou-se ao longo da costa da Província de Guandong no dia 16. Durante 17 a 19 dias, o céu apresentou-se geralmente pouco nublado, mas houve dispersos períodos de chuva fraca com neblina. Nos dias 20 e 21, foi impactado por imensa área de banda nebulosa localizada nas regiões setentrional do mar do sul da China e meridional da China que se aumentou a nebulosidade, havendo bruma seca.

A partir do dia 22, mais uma monção de inverno chegou-se para as regiões meridionais da China e influenciou-se para o tempo da região. Com o aumento contínuo de intensidade da monção de inverno, o sinal de ventos fortes de monção (bola preta) foi hasteado pela noite do dia 23 até dia 24 da tarde. Os dois dias seguintes, o tempo esteve frio e de restos dias deste mês, sob a influência dum anticiclone continental, o céu tornou-se gradualmente de pouco nublado para muito nublado com dispersos períodos de chuva fraca e neblina.

澳門氣象觀測站
OBSERVATÓRIO METEOROLÓGICO DE MACAU

氹仔大潭山
Taipa Grande

站高氣壓(百帕斯卡)

PRESSÃO ATMOSFÉRICA (hPa)

ATMOSPHERIC PRESSURE (hPa)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h
1	1002.5	1002.6	1002.5	1002.5	1002.4	1002.9	1003.9	1004.3	1005.3	1005.8	1005.6	1005.0	1004.0	1003.0
2	1006.4	1005.8	1005.0	1004.5	1004.1	1004.1	1004.7	1004.9	1005.4	1005.7	1005.6	1004.6	1003.5	1002.6
3	1003.8	1003.2	1003.0	1003.8	1004.0	1004.8	1005.3	1005.5	1005.8	1005.8	1005.2	1003.8	1003.1	1002.8
4	1005.8	1005.8	1005.6	1005.8	1006.1	1006.2	1007.1	1007.6	1007.5	1007.5	1007.1	1006.4	1005.1	1004.2
5	1005.6	1005.6	1005.0	1004.9	1004.9	1005.1	1005.5	1006.1	1006.8	1007.0	1006.6	1005.9	1004.5	1003.9
6	1005.7	1005.2	1004.6	1004.4	1004.3	1004.6	1005.4	1005.8	1006.7	1007.0	1006.5	1005.9	1004.7	1003.8
7	1004.8	1004.8	1004.4	1004.3	1004.0	1004.3	1004.7	1004.9	1005.5	1005.6	1005.1	1004.4	1003.4	1002.4
8	1004.1	1003.8	1003.4	1002.8	1003.2	1003.6	1004.2	1005.2	1006.2	1006.5	1006.5	1005.9	1004.9	1004.1
9	1007.8	1008.0	1008.2	1008.4	1008.5	1008.7	1009.5	1009.8	1010.7	1010.8	1010.6	1009.8	1008.6	1007.6
10	1010.4	1010.1	1009.8	1009.5	1009.9	1010.3	1010.7	1011.4	1011.8	1012.3	1012.1	1011.1	1010.1	1008.9
11	1010.7	1010.3	1009.7	1009.5	1009.3	1009.3	1009.9	1010.5	1011.3	1011.8	1011.8	1010.7	1009.5	1008.3
12	1008.9	1008.3	1007.8	1007.7	1007.7	1007.7	1007.9	1008.6	1009.0	1009.1	1009.0	1008.3	1007.1	1006.4
13	1006.4	1006.2	1006.3	1005.9	1006.0	1006.5	1007.3	1007.9	1008.6	1008.7	1008.5	1007.6	1006.6	1005.6
14	1006.1	1005.8	1005.2	1005.4	1005.4	1005.7	1006.2	1006.4	1006.8	1007.4	1007.0	1006.4	1005.3	1004.5
15	1006.4	1006.4	1005.8	1005.9	1005.9	1005.8	1006.5	1007.1	1008.1	1008.6	1007.9	1007.4	1006.6	1005.5
16	1009.0	1008.8	1008.8	1008.6	1009.2	1009.5	1009.7	1010.7	1011.1	1011.7	1011.2	1010.7	1009.8	1009.2
17	1011.7	1011.6	1011.3	1010.9	1011.2	1011.4	1012.3	1012.6	1013.0	1013.0	1012.7	1011.9	1010.7	1009.7
18	1011.6	1011.4	1011.3	1011.0	1010.9	1010.8	1011.3	1011.8	1012.2	1012.5	1012.2	1011.5	1010.1	1008.8
19	1009.6	1009.1	1008.5	1008.1	1008.5	1008.8	1009.3	1009.7	1010.2	1010.4	1009.8	1009.0	1007.7	1006.7
20	1007.5	1007.4	1007.0	1006.7	1006.5	1006.6	1007.0	1007.4	1007.7	1008.2	1008.0	1007.4	1006.1	1005.2
21	1004.6	1004.5	1004.3	1003.9	1004.2	1004.7	1005.7	1006.5	1007.1	1007.4	1007.2	1006.6	1005.1	1004.1
22	1005.7	1005.5	1005.3	1005.5	1005.7	1006.3	1006.6	1007.5	1007.8	1007.8	1007.7	1006.9	1005.6	1004.6
23	1006.7	1006.7	1006.5	1006.6	1006.9	1007.8	1008.4	1009.3	1009.6	1010.0	1009.9	1009.0	1007.8	1006.4
24	1009.9	1009.9	1009.4	1009.0	1009.2	1009.5	1010.0	1010.9	1011.6	1011.9	1012.1	1011.4	1010.1	1009.1
25	1011.0	1011.2	1010.9	1010.9	1011.3	1011.6	1012.3	1012.8	1013.3	1013.8	1013.7	1012.9	1011.8	1011.0
26	1011.7	1011.6	1011.2	1011.1	1011.4	1011.7	1012.2	1012.4	1013.2	1013.4	1013.5	1012.8	1011.5	1010.4
27	1011.8	1011.2	1010.9	1010.5	1010.3	1010.0	1010.4	1011.2	1011.7	1012.1	1011.9	1011.0	1009.8	1008.7
28	1010.2	1009.8	1009.7	1009.3	1009.4	1009.9	1010.4	1010.8	1011.3	1011.3	1010.8	1009.9	1008.7	1007.7
29	1006.9	1007.1	1006.6	1006.6	1006.3	1006.9	1007.6	1008.1	1008.9	1009.6	1009.1	1008.2	1006.9	1006.0
30	1008.3	1008.4	1008.4	1008.5	1008.8	1009.5	1009.9	1010.5	1011.0	1011.2	1011.0	1010.5	1009.2	1008.5
31	1010.7	1011.0	1010.8	1010.5	1010.7	1010.7	1011.1	1011.4	1011.9	1012.1	1011.6	1010.6	1009.5	1008.5

站高氣壓 (百帕斯卡)

PRESSÃO ATMOSFÉRICA (hPa)

ATMOSPHERIC PRESSURE (hPa)

	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	平均 MÉD	最高 MÁX	最低 MÍN
1	1002.9	1003.1	1003.6	1004.3	1004.6	1005.6	1006.5	1006.9	1006.9	1006.6	1004.3	1007.2	1002.3
2	1002.1	1002.1	1002.1	1002.5	1002.8	1003.3	1003.5	1003.4	1003.5	1003.7	1004.0	1006.7	1002.0
3	1002.8	1002.6	1002.6	1002.7	1003.7	1004.5	1005.3	1006.1	1006.0	1005.8	1004.2	1006.3	1002.4
4	1003.5	1003.1	1003.4	1003.8	1004.4	1005.0	1005.6	1005.8	1005.9	1005.7	1005.6	1008.0	1003.1
5	1003.1	1003.1	1002.9	1003.2	1003.6	1004.1	1005.0	1005.4	1005.5	1005.6	1005.0	1007.1	1002.7
6	1003.4	1003.3	1003.6	1003.9	1004.3	1004.6	1004.7	1005.0	1005.0	1005.2	1004.9	1007.0	1003.2
7	1001.8	1001.7	1001.8	1002.2	1002.7	1003.4	1003.6	1003.9	1004.2	1004.2	1003.8	1005.7	1001.6
8	1003.6	1003.4	1003.9	1004.2	1004.7	1005.6	1006.2	1007.1	1007.6	1007.9	1004.9	1007.9	1002.8
9	1007.4	1007.2	1007.7	1008.3	1008.6	1009.3	1010.1	1010.5	1010.5	1010.5	1009.0	1011.2	1007.0
10	1008.4	1008.3	1008.4	1008.8	1009.5	1010.0	1010.5	1010.9	1010.9	1010.7	1010.2	1012.5	1008.0
11	1007.7	1007.2	1007.2	1007.6	1007.9	1008.2	1008.6	1008.8	1009.0	1009.0	1009.3	1012.1	1007.2
12	1005.7	1005.2	1005.1	1005.0	1005.5	1006.4	1006.8	1006.9	1007.1	1006.8	1007.2	1009.3	1004.9
13	1005.0	1004.4	1004.2	1004.4	1004.5	1004.9	1005.7	1006.2	1006.2	1006.3	1006.2	1008.9	1004.1
14	1003.9	1004.0	1004.3	1004.9	1005.1	1005.7	1006.1	1006.4	1006.3	1006.3	1005.7	1007.4	1003.8
15	1004.9	1004.8	1004.8	1005.3	1006.0	1006.7	1007.5	1008.3	1008.6	1008.8	1006.6	1008.9	1004.7
16	1008.4	1008.4	1008.8	1009.1	1009.4	1009.9	1010.7	1011.3	1011.3	1011.6	1009.9	1011.7	1008.4
17	1009.2	1008.7	1008.9	1009.1	1009.5	1010.0	1010.9	1011.6	1011.6	1011.6	1011.0	1013.1	1008.6
18	1008.0	1007.7	1007.9	1008.2	1008.8	1009.3	1009.8	1009.9	1010.1	1009.7	1010.3	1012.6	1007.4
19	1006.2	1005.8	1005.6	1005.9	1006.4	1007.1	1007.4	1007.7	1007.3	1007.3	1008.0	1010.5	1005.5
20	1004.7	1004.7	1004.4	1004.7	1005.1	1005.6	1005.5	1005.6	1005.3	1004.8	1006.2	1008.3	1004.4
21	1003.4	1003.2	1003.5	1003.8	1004.5	1005.1	1005.6	1005.7	1005.8	1005.7	1005.1	1007.5	1003.2
22	1004.0	1003.7	1004.1	1004.5	1005.0	1005.4	1005.9	1006.1	1006.7	1006.8	1005.9	1008.1	1003.7
23	1005.8	1005.9	1006.2	1006.6	1007.2	1007.8	1008.1	1008.7	1009.4	1009.5	1007.8	1010.1	1005.7
24	1008.8	1008.4	1008.7	1009.3	1009.8	1010.5	1010.6	1010.4	1010.7	1010.9	1010.1	1012.1	1008.3
25	1010.2	1009.8	1010.0	1009.9	1010.3	1010.9	1011.2	1011.5	1011.6	1011.8	1011.5	1013.9	1009.8
26	1009.7	1009.5	1009.8	1010.3	1010.7	1011.3	1011.6	1011.8	1011.7	1011.9	1011.5	1013.5	1009.4
27	1008.0	1007.5	1007.9	1008.2	1009.0	1009.6	1010.0	1010.3	1010.3	1010.2	1010.1	1012.2	1007.4
28	1006.8	1006.4	1006.8	1007.3	1007.4	1007.7	1007.7	1007.7	1007.3	1007.3	1008.8	1011.4	1006.4
29	1005.4	1005.1	1005.4	1006.0	1006.7	1007.3	1007.6	1008.0	1008.1	1008.1	1007.2	1009.6	1005.1
30	1008.0	1007.8	1008.3	1008.7	1009.2	1009.9	1010.4	1010.6	1010.6	1010.6	1009.5	1011.3	1007.8
31	1008.1	1007.8	1008.1	1008.3	1008.7	1009.0	1009.2	1009.5	1009.5	1009.5	1010.0	1012.2	1007.7
平均 MÉD											1007.5	1009.8	1005.4
全月 MÉS												1013.9	1001.6

海平面氣壓 (百帕斯卡)

PRESSÃO ATMOSFÉRICA AO NÍVEL MÉDIA DO MAR (hPa)

ATMOSPHERIC PRESSURE AT MEAN SEA LEVEL (hPa)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h
1	1015.8	1015.9	1015.8	1015.8	1015.8	1016.4	1017.3	1017.8	1018.8	1019.3	1019.0	1018.4	1017.3	1016.4
2	1020.2	1019.5	1018.7	1018.2	1017.8	1017.8	1018.5	1018.6	1019.1	1019.4	1019.2	1018.1	1017.0	1016.0
3	1017.6	1016.9	1016.8	1017.7	1017.9	1018.6	1019.1	1019.3	1019.5	1019.5	1018.8	1017.3	1016.5	1016.2
4	1019.5	1019.5	1019.2	1019.4	1019.7	1019.9	1020.7	1021.2	1021.0	1021.0	1020.5	1019.7	1018.4	1017.4
5	1019.0	1019.0	1018.4	1018.3	1018.3	1018.5	1019.0	1019.5	1020.2	1020.3	1020.0	1019.3	1017.8	1017.2
6	1019.1	1018.7	1018.1	1017.8	1017.8	1018.1	1018.9	1019.3	1020.1	1020.4	1019.8	1019.1	1018.0	1017.0
7	1018.2	1018.1	1017.8	1017.6	1017.3	1017.6	1018.0	1018.3	1018.8	1018.9	1018.3	1017.6	1016.5	1015.5
8	1017.5	1017.2	1016.8	1016.2	1016.6	1017.0	1017.6	1018.6	1019.7	1019.9	1019.8	1019.2	1018.2	1017.4
9	1021.5	1021.7	1021.9	1022.1	1022.3	1022.4	1023.2	1023.6	1024.4	1024.6	1024.3	1023.5	1022.2	1021.2
10	1024.1	1023.8	1023.6	1023.3	1023.8	1024.2	1024.6	1025.3	1025.6	1026.1	1025.9	1024.9	1023.7	1022.6
11	1024.5	1024.2	1023.6	1023.5	1023.3	1023.3	1023.9	1024.4	1025.1	1025.7	1025.5	1024.4	1023.1	1021.9
12	1022.7	1022.1	1021.6	1021.5	1021.5	1021.5	1021.7	1022.4	1022.7	1022.8	1022.6	1021.9	1020.6	1019.8
13	1020.0	1019.9	1019.9	1019.6	1019.7	1020.3	1021.0	1021.6	1022.2	1022.2	1022.0	1021.0	1020.0	1019.0
14	1019.6	1019.3	1018.7	1018.8	1018.9	1019.2	1019.7	1019.9	1020.3	1020.8	1020.4	1019.8	1018.6	1017.8
15	1019.9	1019.9	1019.3	1019.4	1019.4	1019.4	1020.0	1020.6	1021.5	1022.0	1021.3	1020.7	1019.9	1018.8
16	1022.5	1022.4	1022.4	1022.2	1022.9	1023.1	1023.4	1024.3	1024.7	1025.3	1024.8	1024.3	1023.4	1022.7
17	1025.3	1025.3	1025.0	1024.6	1024.9	1025.2	1026.0	1026.4	1026.8	1026.7	1026.3	1025.5	1024.2	1023.2
18	1025.2	1025.1	1025.0	1024.7	1024.6	1024.5	1025.0	1025.6	1025.9	1026.2	1025.8	1025.0	1023.5	1022.2
19	1023.3	1022.8	1022.1	1021.8	1022.2	1022.5	1023.0	1023.4	1023.9	1024.0	1023.3	1022.5	1021.1	1020.1
20	1021.1	1021.0	1020.6	1020.2	1020.0	1020.2	1020.6	1021.0	1021.3	1021.7	1021.6	1020.9	1019.5	1018.6
21	1018.1	1018.0	1017.8	1017.4	1017.6	1018.2	1019.2	1020.0	1020.6	1020.8	1020.6	1020.0	1018.4	1017.3
22	1019.2	1019.0	1018.8	1019.0	1019.2	1019.8	1020.2	1021.0	1021.3	1021.3	1021.2	1020.3	1019.0	1017.9
23	1020.4	1020.4	1020.1	1020.3	1020.6	1021.6	1022.2	1023.1	1023.3	1023.7	1023.5	1022.6	1021.4	1020.0
24	1023.7	1023.7	1023.2	1022.9	1023.0	1023.3	1023.9	1024.7	1025.5	1025.7	1025.9	1025.1	1023.8	1022.7
25	1024.9	1025.0	1024.7	1024.8	1025.3	1025.5	1026.3	1026.7	1027.1	1027.6	1027.4	1026.6	1025.5	1024.6
26	1025.5	1025.3	1025.0	1024.9	1025.1	1025.5	1026.0	1026.2	1027.0	1027.2	1027.1	1026.4	1025.1	1023.9
27	1025.5	1024.9	1024.6	1024.2	1024.0	1023.7	1024.2	1024.9	1025.4	1025.7	1025.4	1024.5	1023.3	1022.1
28	1023.8	1023.5	1023.4	1023.0	1023.1	1023.6	1024.1	1024.5	1024.9	1024.8	1024.2	1023.3	1022.0	1021.0
29	1020.5	1020.6	1020.2	1020.2	1019.9	1020.5	1021.2	1021.7	1022.4	1023.1	1022.4	1021.5	1020.2	1019.4
30	1021.9	1022.0	1022.0	1022.1	1022.4	1023.1	1023.6	1024.1	1024.7	1024.8	1024.4	1024.0	1022.6	1021.9
31	1024.3	1024.6	1024.5	1024.2	1024.4	1024.4	1024.8	1025.1	1025.6	1025.7	1025.1	1024.1	1022.9	1021.9

海平面氣壓 (百帕斯卡)

PRESSÃO ATMOSFÉRICA AO NÍVEL MÉDIA DO MAR (hPa)

ATMOSPHERIC PRESSURE AT MEAN SEA LEVEL (hPa)

	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	平均 MÉD	最高 MÁX	最低 MÍN
1	1016.3	1016.5	1017.0	1017.7	1018.1	1019.2	1020.2	1020.5	1020.5	1020.3	1017.8	1020.5	1015.8
2	1015.5	1015.5	1015.6	1016.1	1016.3	1016.9	1017.2	1017.0	1017.1	1017.4	1017.6	1020.2	1015.5
3	1016.1	1016.0	1016.0	1016.3	1017.3	1018.1	1018.9	1019.7	1019.6	1019.5	1017.9	1019.7	1016.0
4	1016.7	1016.4	1016.8	1017.2	1017.8	1018.4	1019.1	1019.3	1019.4	1019.1	1019.0	1021.2	1016.4
5	1016.4	1016.4	1016.2	1016.6	1017.0	1017.5	1018.4	1018.8	1018.9	1019.0	1018.3	1020.3	1016.2
6	1016.6	1016.6	1016.9	1017.2	1017.6	1018.0	1018.0	1018.3	1018.3	1018.5	1018.2	1020.4	1016.6
7	1014.9	1014.8	1015.0	1015.5	1016.0	1016.7	1017.0	1017.3	1017.5	1017.6	1017.1	1018.9	1014.8
8	1016.9	1016.7	1017.3	1017.6	1018.2	1019.1	1019.7	1020.7	1021.2	1021.5	1018.4	1021.5	1016.2
9	1021.0	1020.8	1021.4	1021.9	1022.3	1023.0	1023.8	1024.2	1024.2	1024.2	1022.7	1024.6	1020.8
10	1022.0	1021.9	1022.0	1022.5	1023.2	1023.7	1024.3	1024.7	1024.7	1024.5	1024.0	1026.1	1021.9
11	1021.2	1020.8	1020.8	1021.3	1021.6	1021.9	1022.3	1022.5	1022.8	1022.7	1023.1	1025.7	1020.8
12	1019.1	1018.6	1018.6	1018.6	1019.1	1020.0	1020.4	1020.5	1020.8	1020.5	1020.9	1022.8	1018.6
13	1018.3	1017.7	1017.6	1017.9	1018.0	1018.4	1019.2	1019.7	1019.7	1019.8	1019.8	1022.2	1017.6
14	1017.2	1017.3	1017.7	1018.3	1018.5	1019.2	1019.5	1019.8	1019.7	1019.8	1019.1	1020.8	1017.2
15	1018.2	1018.0	1018.2	1018.7	1019.5	1020.2	1021.0	1021.8	1022.2	1022.4	1020.1	1022.4	1018.0
16	1021.9	1021.9	1022.3	1022.6	1023.0	1023.5	1024.3	1024.9	1024.9	1025.2	1023.4	1025.3	1021.9
17	1022.6	1022.2	1022.5	1022.7	1023.2	1023.7	1024.6	1025.3	1025.3	1025.3	1024.7	1026.8	1022.2
18	1021.4	1021.1	1021.4	1021.8	1022.4	1022.9	1023.4	1023.5	1023.7	1023.4	1023.9	1026.2	1021.1
19	1019.5	1019.2	1019.0	1019.4	1019.9	1020.7	1020.9	1021.2	1021.0	1021.0	1021.6	1024.0	1019.0
20	1018.1	1018.1	1017.8	1018.1	1018.6	1019.0	1019.0	1019.1	1018.8	1018.3	1019.7	1021.7	1017.8
21	1016.6	1016.4	1016.8	1017.2	1017.9	1018.5	1019.0	1019.1	1019.2	1019.2	1018.5	1020.8	1016.4
22	1017.3	1017.1	1017.5	1018.0	1018.5	1019.0	1019.5	1019.7	1020.3	1020.4	1019.4	1021.3	1017.1
23	1019.3	1019.4	1019.8	1020.3	1020.8	1021.4	1021.7	1022.4	1023.1	1023.3	1021.4	1023.7	1019.3
24	1022.4	1022.1	1022.3	1023.1	1023.5	1024.2	1024.4	1024.1	1024.5	1024.6	1023.8	1025.9	1022.1
25	1023.7	1023.3	1023.6	1023.6	1024.1	1024.7	1025.0	1025.3	1025.3	1025.6	1025.2	1027.6	1023.3
26	1023.3	1023.0	1023.4	1023.9	1024.3	1025.0	1025.2	1025.5	1025.3	1025.5	1025.2	1027.2	1023.0
27	1021.4	1021.0	1021.4	1021.8	1022.6	1023.2	1023.6	1023.9	1023.9	1023.8	1023.7	1025.7	1021.0
28	1020.1	1019.9	1020.3	1020.8	1020.9	1021.3	1021.2	1021.3	1020.9	1020.9	1022.4	1024.9	1019.9
29	1018.7	1018.5	1018.8	1019.5	1020.2	1020.8	1021.1	1021.5	1021.6	1021.6	1020.7	1023.1	1018.5
30	1021.5	1021.3	1021.8	1022.2	1022.8	1023.5	1024.0	1024.2	1024.2	1024.2	1023.0	1024.8	1021.3
31	1021.4	1021.2	1021.5	1021.9	1022.3	1022.6	1022.8	1023.1	1023.1	1023.1	1023.5	1025.7	1021.2
平均 MÉD											1021.1	1023.3	1019.0
全月 MÉS												1027.6	1014.8

氣溫 (°C)

TEMPERATURA DO AR (°C)

AIR TEMPERATURE (°C)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h
1	20.3	20.7	19.7	18.7	17.8	17.2	16.8	17.2	17.6	17.2	17.2	18.1	19.2	18.1
2	11.5	11.4	11.4	11.2	11.1	11.0	10.6	10.6	11.2	13.1	14.9	15.3	16.3	16.4
3	11.2	10.8	10.3	9.4	9.1	8.9	8.8	9.9	11.2	12.5	14.0	14.7	16.3	18.0
4	13.5	14.0	14.4	14.2	14.4	13.8	13.1	14.3	16.1	17.1	18.4	19.0	20.1	20.7
5	17.9	17.3	17.2	17.5	17.5	17.4	17.3	17.8	18.0	19.7	19.2	19.0	19.7	20.3
6	17.6	17.4	17.1	17.0	17.0	17.1	17.3	17.3	18.2	19.6	20.4	21.6	20.7	21.8
7	19.8	19.7	19.5	19.8	19.8	19.7	19.6	20.1	20.6	20.6	22.3	22.6	24.1	25.3
8	18.5	18.4	17.7	17.5	17.5	17.1	16.5	16.8	17.2	18.8	19.9	20.2	20.9	20.9
9	13.8	13.3	13.2	13.0	12.9	12.7	12.6	12.5	12.6	12.5	13.0	13.2	13.9	14.1
10	12.2	11.8	11.6	11.2	10.6	10.0	9.7	10.5	10.9	11.6	12.3	13.0	14.1	14.2
11	9.7	9.3	8.8	8.4	8.2	8.0	7.9	8.6	9.7	10.8	12.4	13.0	14.2	15.1
12	11.9	11.4	11.1	10.7	10.1	9.9	9.6	10.5	12.0	13.1	14.4	15.6	16.7	17.7
13	13.5	13.3	13.0	12.5	12.2	12.1	11.7	12.6	15.0	16.2	16.8	18.3	18.9	18.4
14	16.1	16.2	16.3	16.3	16.0	15.6	15.5	15.9	16.2	17.2	18.6	19.0	20.0	20.4
15	16.7	16.4	16.2	16.5	16.3	15.9	15.5	16.3	18.5	19.4	19.8	20.1	21.1	21.5
16	15.8	15.5	15.3	15.0	14.3	14.0	13.9	14.0	14.7	15.6	16.2	16.9	17.1	17.5
17	14.6	14.3	14.0	13.8	13.5	13.1	12.9	12.7	13.2	14.1	15.7	16.4	17.4	18.1
18	14.5	14.4	14.4	14.1	13.2	12.6	12.3	12.8	14.5	15.8	17.0	18.1	18.6	18.9
19	13.5	13.4	13.1	13.1	13.1	12.9	12.6	12.7	14.2	15.4	16.7	17.8	18.9	19.2
20	14.4	15.0	15.1	15.0	14.9	14.7	14.6	14.3	15.6	16.2	16.1	16.8	17.7	18.3
21	15.7	16.0	16.0	15.9	16.5	16.5	16.7	17.0	17.7	18.8	19.3	19.7	20.8	21.2
22	17.0	16.9	16.9	16.3	16.2	15.7	15.2	15.6	16.2	17.2	18.0	18.5	18.7	19.4
23	13.7	13.1	12.8	12.2	12.0	11.4	11.0	10.9	11.8	13.1	14.7	15.7	15.0	15.2
24	11.3	11.2	10.9	10.8	10.8	10.6	10.5	10.5	11.1	11.9	12.6	13.5	14.1	14.6
25	11.2	10.6	9.9	9.5	9.3	9.0	8.7	9.1	10.8	12.1	13.1	13.8	14.9	15.6
26	13.1	13.0	13.0	12.7	12.6	12.5	12.2	12.4	12.7	13.5	14.6	15.7	15.9	16.3
27	13.7	13.4	13.0	13.2	13.3	13.3	13.1	13.1	13.7	17.2	16.9	17.3	18.9	19.7
28	15.2	13.9	13.6	13.4	13.1	13.2	13.0	13.5	16.6	18.4	18.6	19.0	20.6	20.6
29	15.4	14.7	14.4	14.4	14.1	14.1	14.4	15.0	18.3	18.1	21.0	20.9	20.0	19.7
30	16.0	15.8	15.5	15.2	15.3	15.0	14.5	15.1	15.4	16.8	18.7	18.4	19.7	18.8
31	15.7	14.5	13.9	13.4	13.5	13.7	13.8	14.1	14.9	15.4	16.6	17.5	19.2	19.5

氣溫 (°C)

TEMPERATURA DO AR (°C)

AIR TEMPERATURE (°C)

	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	平均 MÉD	最高 MÁX	最低 MÍN
1	17.7	17.3	17.0	16.5	16.0	14.7	13.6	13.0	12.5	12.3	16.9	20.9	12.2
2	16.8	16.3	15.4	14.0	13.7	13.3	12.9	13.1	12.6	11.8	13.2	17.1	10.4
3	19.4	18.5	17.2	14.2	14.1	13.8	13.7	14.3	13.2	13.5	13.2	19.9	8.7
4	20.7	19.8	19.0	16.7	17.9	18.1	17.4	17.3	17.0	17.5	16.8	21.3	13.1
5	19.9	19.4	18.1	18.1	18.1	18.0	18.5	18.0	17.6	17.8	18.3	20.3	17.2
6	20.9	21.2	20.4	19.7	19.5	19.5	19.4	19.6	19.7	20.0	19.2	21.9	16.8
7	24.7	23.0	22.3	21.0	20.4	19.9	19.7	19.2	19.2	18.9	20.9	25.8	18.9
8	20.6	19.8	18.4	16.8	15.8	15.3	15.1	14.5	14.1	14.0	17.6	21.6	13.9
9	14.3	14.1	14.1	14.1	14.2	14.1	13.6	13.0	12.7	12.5	13.3	14.5	12.2
10	15.0	15.2	14.2	13.2	12.6	12.2	12.1	11.5	11.3	10.5	12.1	15.2	9.6
11	15.9	15.7	14.1	12.5	12.4	12.5	12.4	12.2	12.0	12.1	11.5	16.0	7.8
12	18.6	17.8	16.1	14.9	14.5	14.2	13.5	13.7	13.1	13.3	13.5	18.8	9.6
13	19.8	19.3	17.3	16.3	15.9	16.0	16.5	16.4	16.4	16.4	15.6	20.5	11.7
14	19.9	19.2	18.8	18.3	18.0	17.7	17.8	17.8	17.3	16.5	17.5	20.6	15.4
15	21.3	20.9	19.4	18.1	17.2	16.7	16.3	15.9	16.1	16.0	17.8	21.7	15.5
16	17.1	16.9	16.4	16.1	16.0	15.9	15.3	15.0	15.0	14.9	15.6	18.3	13.6
17	17.7	16.9	15.3	13.9	13.6	13.3	13.4	13.5	13.8	14.4	14.6	18.6	12.7
18	19.0	18.4	17.1	15.8	15.3	15.4	15.3	15.4	15.5	14.0	15.5	19.6	12.3
19	19.7	19.0	17.6	15.6	15.6	15.9	16.1	15.3	14.1	14.1	15.4	20.0	12.5
20	17.8	17.6	17.1	16.9	16.7	16.6	16.3	16.2	16.0	16.0	16.1	18.6	14.1
21	22.6	22.9	19.9	18.5	18.1	18.2	18.7	18.8	18.0	17.5	18.4	23.1	15.7
22	18.7	18.4	17.3	16.4	16.0	15.7	15.4	15.0	14.5	14.0	16.6	19.6	14.0
23	15.6	15.1	14.7	13.8	13.6	13.6	13.5	12.7	12.0	11.6	13.3	15.9	10.8
24	14.8	14.2	13.4	12.5	12.6	12.3	12.4	12.5	12.2	11.7	12.2	14.9	10.4
25	16.2	16.2	14.3	12.4	12.1	11.9	11.7	12.8	13.8	13.1	12.2	16.7	8.6
26	17.0	16.2	15.0	14.3	13.9	14.0	14.2	13.5	14.5	14.4	14.0	17.2	12.2
27	17.8	17.4	16.7	15.4	15.3	15.2	15.3	15.2	15.1	15.2	15.4	19.9	12.8
28	20.2	18.0	17.2	16.5	16.1	15.9	15.8	15.7	15.8	15.9	16.2	21.5	12.9
29	19.4	18.5	17.3	16.4	16.2	16.3	16.5	16.4	16.7	16.1	16.8	22.0	13.9
30	17.6	16.9	17.0	16.5	16.3	16.2	16.1	15.9	15.8	15.8	16.4	20.3	14.4
31	20.2	19.4	17.8	16.4	15.9	16.0	15.6	15.7	15.4	15.3	16.0	20.6	13.3
平均 MÉD											15.6	19.4	12.8
全月 MÉS												25.8	7.8

露點 (°C)

PONTO DE ORVALHO (°C)

DEW POINT (°C)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h
1	16.9	16.3	15.3	14.5	13.9	13.3	13.0	12.9	12.4	11.7	11.5	11.3	10.9	10.8
2	7.0	6.4	6.2	6.1	6.4	6.1	5.8	6.2	6.7	7.4	7.6	7.8	7.8	7.3
3	6.6	6.3	5.7	5.2	4.5	3.8	3.8	3.9	4.8	4.8	4.9	4.8	4.5	5.3
4	7.1	8.2	8.4	8.4	8.1	8.4	8.3	8.9	8.9	9.3	8.6	6.9	7.7	8.0
5	13.5	13.2	13.8	13.9	14.1	13.8	13.0	13.4	12.9	12.8	12.9	13.0	12.7	12.7
6	16.2	16.2	16.2	16.3	16.3	16.4	16.6	16.1	15.4	15.5	15.3	15.5	15.1	15.2
7	17.0	17.0	16.6	16.5	16.3	16.3	16.4	16.3	16.3	16.7	17.0	17.1	17.1	17.2
8	15.5	15.4	14.8	14.6	14.2	13.6	12.9	12.9	12.5	12.3	12.2	11.9	11.6	11.7
9	7.9	7.6	7.8	7.2	6.9	7.1	6.8	6.7	6.9	7.3	7.6	6.9	7.3	7.0
10	2.6	2.5	2.3	2.1	0.9	0.4	1.3	2.6	2.4	0.8	0.3	0.8	0.4	-0.3
11	-2.3	-1.1	-1.9	-2.1	-2.3	-2.7	-2.5	-2.2	-2.9	-3.0	-1.6	-1.9	-1.4	-0.4
12	1.8	2.6	2.3	1.5	1.2	1.1	1.2	1.3	1.6	1.3	1.4	2.1	3.0	2.8
13	4.0	4.4	3.9	3.6	3.3	2.8	2.6	2.9	3.0	3.8	4.7	5.0	5.3	5.1
14	8.2	7.8	7.6	7.6	8.3	8.3	8.3	8.4	8.4	9.4	10.0	9.0	10.2	9.5
15	10.5	9.9	9.8	10.1	9.8	9.9	9.8	9.5	9.4	9.8	9.7	9.0	8.8	9.3
16	6.1	7.1	6.6	6.6	5.9	6.1	6.4	6.1	6.5	6.4	6.1	6.3	6.2	5.6
17	7.3	6.4	6.3	6.2	6.0	5.8	5.5	5.4	6.0	5.8	6.0	5.6	6.4	6.2
18	11.1	11.3	11.3	10.2	9.0	9.0	8.3	7.3	8.5	7.5	8.2	6.6	6.7	6.0
19	11.7	11.7	11.3	10.5	9.1	8.1	7.4	7.0	7.4	6.7	5.7	6.1	6.8	5.9
20	12.6	12.0	12.3	11.7	11.6	10.6	9.5	9.8	9.5	10.0	9.7	8.7	8.6	8.2
21	13.8	13.6	12.6	11.8	10.4	10.5	10.2	10.4	10.2	10.6	10.9	10.8	10.9	10.9
22	11.0	11.2	10.3	10.4	10.1	9.7	9.0	8.9	8.6	8.6	8.1	7.2	8.2	7.1
23	7.7	7.8	7.4	6.7	6.6	6.6	6.5	6.3	6.4	6.7	6.4	7.3	6.9	7.0
24	5.1	3.9	2.1	-1.3	-2.0	-1.6	-3.7	-1.7	-1.7	-1.2	-2.2	-2.2	-2.9	-1.5
25	-1.3	0.1	-0.8	-0.5	-0.6	-0.8	-0.3	0.0	0.2	1.4	0.3	0.4	-0.3	-1.3
26	5.9	4.4	3.5	3.8	3.8	3.6	3.3	3.0	2.9	3.2	2.9	3.1	2.0	1.0
27	8.9	9.9	9.7	8.8	9.0	10.0	10.7	10.4	10.4	11.2	11.0	10.9	10.9	10.4
28	12.9	12.4	12.4	12.3	12.1	12.2	12.0	12.5	13.4	13.4	12.8	12.4	12.4	12.5
29	13.3	13.2	13.2	13.2	12.8	13.0	12.6	13.3	14.0	14.2	13.8	13.9	13.4	13.6
30	14.0	13.8	13.7	13.8	12.7	11.4	10.6	10.7	10.7	11.0	11.7	11.8	11.6	11.9
31	12.0	12.3	12.5	12.3	11.7	11.3	10.2	10.4	10.5	10.5	10.6	10.8	10.5	10.6

露點 (°C)

PONTO DE ORVALHO (°C)

DEW POINT (°C)

	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	平均 MÉD	最高 MÁX	最低 MÍN
1	10.7	10.0	10.0	9.4	8.7	8.3	7.8	7.8	7.7	7.5	11.4	16.9	7.5
2	7.9	7.8	7.5	7.7	7.7	7.9	7.9	8.3	6.5	6.5	7.1	8.3	5.8
3	3.3	4.3	4.3	5.1	5.7	5.3	5.4	4.9	4.2	6.2	4.9	6.6	3.3
4	8.5	8.8	10.0	10.8	11.3	11.9	12.8	12.5	12.7	13.6	9.5	13.6	6.9
5	13.5	15.4	15.9	15.9	15.7	15.6	15.5	14.7	16.1	16.0	14.2	16.1	12.7
6	15.7	15.1	15.6	15.9	16.1	16.5	16.7	17.3	16.7	16.5	16.0	17.3	15.1
7	17.5	17.4	17.6	17.3	16.7	16.5	16.6	16.3	16.0	15.7	16.7	17.6	15.7
8	11.4	11.4	10.7	9.8	9.4	9.1	8.9	8.8	8.7	8.3	11.8	15.5	8.3
9	7.1	6.7	6.3	5.8	6.4	6.0	5.3	4.0	4.7	3.0	6.5	7.9	3.0
10	-0.2	1.3	0.1	-1.0	-2.5	-1.6	-0.7	-0.5	-2.1	-3.2	0.4	2.6	-3.2
11	0.1	0.9	1.0	0.7	0.9	0.6	1.2	1.2	1.5	2.6	-0.7	2.6	-3.0
12	3.5	4.3	5.6	3.1	2.5	3.1	3.0	2.8	3.2	3.2	2.5	5.6	1.1
13	5.1	6.7	7.3	8.2	7.3	6.4	6.3	7.9	8.5	8.3	5.3	8.5	2.6
14	10.2	10.9	11.1	9.5	9.4	10.3	9.8	9.7	10.6	10.7	9.3	11.1	7.6
15	9.0	9.2	9.1	7.9	7.4	6.7	6.3	6.3	6.3	6.0	8.7	10.5	6.0
16	6.3	6.5	7.2	7.5	8.1	8.8	8.2	8.3	7.7	7.4	6.8	8.8	5.6
17	6.4	6.6	6.7	7.4	7.3	8.1	7.4	6.6	8.9	10.5	6.7	10.5	5.4
18	6.5	6.8	6.6	6.3	6.4	6.9	8.2	11.1	11.1	11.8	8.4	11.8	6.0
19	5.9	6.7	6.4	7.2	8.7	9.9	10.6	11.7	10.9	12.3	8.6	12.3	5.7
20	8.2	9.1	9.1	10.0	10.7	12.9	13.9	14.0	13.8	13.7	10.8	14.0	8.2
21	10.6	10.6	10.6	10.9	10.2	10.5	9.8	10.2	10.9	11.2	11.0	13.8	9.8
22	7.3	7.4	7.5	7.9	8.1	7.9	7.6	7.3	7.1	7.7	8.5	11.2	7.1
23	7.1	7.0	7.0	6.2	7.1	7.7	7.5	6.5	5.8	4.9	6.8	7.8	4.9
24	-2.7	-2.4	-2.1	-2.2	-0.9	0.4	1.3	-1.9	-1.6	-0.8	-1.0	5.1	-3.7
25	-1.4	-0.6	-0.8	0.1	0.2	0.3	2.7	4.8	1.8	6.4	0.4	6.4	-1.4
26	2.4	2.2	4.0	2.9	2.9	2.7	2.9	4.1	6.4	8.6	3.6	8.6	1.0
27	10.4	11.5	12.1	12.2	12.7	12.8	12.7	12.7	13.0	13.0	11.0	13.0	8.8
28	11.8	13.4	13.4	13.0	13.3	13.8	13.9	14.4	14.0	13.8	12.9	14.4	11.8
29	13.9	14.1	13.8	14.2	14.1	13.9	13.9	13.8	13.9	13.8	13.6	14.2	12.6
30	11.7	11.9	11.6	10.9	10.8	10.7	10.9	11.8	12.7	11.6	11.8	14.0	10.6
31	11.2	11.3	10.7	10.5	10.6	10.9	11.5	12.6	13.2	13.1	11.3	13.2	10.2
平均 MÉD											8.2	11.0	6.2
全月 MÉS												17.6	-3.7

相對濕度 (%)

HUMIDADE RELATIVA (%)

RELATIVE HUMIDITY (%)

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

相對濕度 (%)

HUMIDADE RELATIVA (%)

RELATIVE HUMIDITY (%)

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

水氣壓 (百帕斯卡)

TENSÃO DE VAPOR (hPa)

VAPOUR PRESSURE (hPa)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h
1	19.2	18.5	17.3	16.4	15.8	15.3	14.9	14.7	14.2	13.6	13.5	13.3	12.2	12.4
2	10.0	9.6	9.4	9.2	9.5	9.3	9.2	9.4	9.8	10.1	9.8	10.1	9.9	9.5
3	9.8	9.5	9.1	8.7	8.3	7.9	8.0	7.7	8.2	8.1	8.0	7.8	7.5	7.9
4	9.5	10.7	10.9	10.9	10.6	10.9	10.8	11.4	10.8	11.0	10.4	8.8	9.4	9.6
5	15.3	15.0	15.7	15.8	16.0	15.7	14.8	15.2	14.9	14.6	14.7	14.8	14.5	14.3
6	18.5	18.4	18.5	18.6	18.6	18.7	18.9	18.3	17.4	17.5	17.2	17.4	17.0	17.2
7	19.4	19.2	18.8	18.8	18.4	18.4	18.5	18.6	18.4	19.0	19.4	19.3	19.2	19.4
8	17.6	17.5	16.8	16.5	16.2	15.6	14.7	14.9	14.4	14.3	13.6	13.2	12.8	13.0
9	10.6	10.3	10.4	10.1	9.8	10.0	9.7	9.7	9.9	10.1	10.4	9.4	9.6	9.5
10	6.7	6.6	6.5	6.4	5.8	5.6	6.1	6.8	6.7	5.7	5.4	5.6	5.2	4.9
11	4.5	5.0	4.6	4.6	4.5	4.2	4.5	4.5	4.2	4.0	4.4	4.2	4.5	4.8
12	6.3	6.7	6.6	6.2	6.2	6.0	6.1	6.1	6.0	5.8	5.8	6.1	6.4	6.2
13	7.4	7.7	7.4	7.1	7.1	6.8	6.7	6.8	6.7	7.0	7.5	7.7	7.7	7.6
14	10.2	9.9	9.8	9.8	10.3	10.4	10.4	10.4	10.3	11.1	11.6	10.6	11.6	10.9
15	12.6	12.1	11.9	12.2	12.0	12.0	11.9	11.7	11.0	11.4	11.2	10.4	10.2	10.6
16	8.7	9.4	9.1	9.1	8.5	8.8	9.0	8.8	9.0	8.8	8.7	8.6	8.6	8.1
17	9.6	9.1	9.0	8.9	8.9	8.7	8.6	8.4	8.8	8.5	8.6	8.2	8.7	8.4
18	13.1	13.3	13.3	12.3	11.4	11.4	10.9	10.1	11.0	9.7	10.0	8.8	8.8	8.2
19	13.7	13.8	13.3	12.6	11.4	10.6	10.2	10.0	9.8	9.2	8.3	8.4	8.9	8.1
20	14.6	13.9	14.2	13.8	13.7	12.8	11.8	12.0	11.7	12.1	11.8	10.6	10.4	10.1
21	15.7	15.5	14.6	13.8	12.6	12.6	12.2	12.5	11.8	12.0	12.3	12.2	12.0	12.1
22	13.1	13.2	12.4	12.6	12.3	12.0	11.3	11.1	10.5	10.4	10.0	9.2	9.9	9.0
23	10.3	10.5	10.3	9.8	9.6	9.6	9.6	9.5	9.5	9.3	8.8	9.6	9.3	9.3
24	8.3	7.5	6.5	4.7	4.4	4.5	3.8	4.6	4.6	4.7	4.2	4.1	3.7	4.3
25	4.7	5.4	5.1	5.3	5.2	5.1	5.3	5.5	5.6	6.0	5.3	5.4	5.0	4.4
26	8.7	7.7	7.1	7.3	7.4	7.3	7.1	7.0	6.8	7.0	6.7	6.6	6.0	5.3
27	11.3	12.2	12.0	11.2	11.5	12.2	12.8	12.6	12.5	13.1	13.0	12.8	12.3	11.8
28	14.9	14.5	14.3	14.3	14.2	14.3	14.1	14.6	15.4	15.3	14.6	14.3	13.7	13.7
29	15.2	15.3	15.1	15.1	14.8	15.0	14.6	15.2	15.9	16.1	15.6	15.7	15.2	15.4
30	15.8	15.6	15.7	15.8	14.6	13.4	12.7	12.8	12.7	13.1	13.5	13.6	12.9	13.6
31	13.9	14.3	14.5	14.3	13.7	13.4	12.4	12.5	12.6	12.6	12.7	12.9	11.9	12.0

水氣壓 (百帕斯卡)

TENSÃO DE VAPOR (hPa)

VAPOUR PRESSURE (hPa)

	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	平均 MÉD	最高 MÁX	最低 MÍN
1	12.7	11.6	12.2	11.2	10.7	10.9	10.4	10.5	10.5	10.3	13.4	19.2	10.3
2	9.8	9.9	9.6	10.5	10.3	10.5	10.6	10.8	9.6	9.5	9.8	10.8	9.2
3	6.2	7.1	7.2	8.0	8.5	8.3	8.4	7.9	7.6	8.9	8.1	9.8	6.2
4	10.0	10.3	11.5	12.8	13.3	13.8	14.7	14.5	14.5	15.5	11.5	15.5	8.8
5	15.3	17.5	18.1	18.1	17.9	17.8	17.6	16.6	18.3	18.1	16.1	18.3	14.3
6	17.7	17.1	17.7	18.1	18.2	18.8	18.8	19.8	18.9	18.7	18.2	19.8	17.0
7	19.7	19.6	20.0	19.8	19.0	18.7	18.9	18.5	18.0	17.9	19.0	20.0	17.9
8	12.6	12.7	12.2	11.5	11.7	11.4	11.2	11.2	11.2	10.7	13.6	17.6	10.7
9	9.5	9.2	8.9	8.5	9.0	8.7	8.3	7.5	8.0	6.9	9.3	10.6	6.9
10	4.9	5.6	5.1	4.6	4.2	4.5	4.9	5.1	4.3	3.9	5.5	6.8	3.9
11	5.0	5.4	5.6	5.6	5.7	5.5	5.9	5.9	6.0	6.8	5.0	6.8	4.0
12	6.6	7.3	8.3	6.6	6.3	6.8	6.9	6.7	7.0	7.0	6.5	8.3	5.8
13	7.4	8.7	9.3	10.2	9.6	8.9	8.7	9.8	10.3	10.2	8.1	10.3	6.7
14	11.5	12.2	12.6	11.2	11.0	12.0	11.4	11.4	12.7	12.8	11.1	12.8	9.8
15	10.4	10.5	10.6	9.7	9.5	8.9	8.7	8.8	8.8	8.5	10.6	12.6	8.5
16	8.6	8.8	9.4	9.8	10.1	10.7	10.4	10.5	9.9	9.8	9.2	10.7	8.1
17	8.7	9.0	9.1	9.8	10.1	10.7	10.2	9.2	11.2	12.6	9.3	12.6	8.2
18	8.6	8.9	9.0	8.9	8.9	9.4	10.4	13.1	13.2	13.8	10.7	13.8	8.2
19	8.1	8.8	8.8	9.5	10.6	12.0	12.7	13.7	13.0	14.3	10.8	14.3	8.1
20	10.1	10.8	10.9	12.1	12.8	14.8	15.8	15.9	15.7	15.7	12.8	15.9	10.1
21	11.6	11.5	11.9	12.4	11.9	12.0	11.4	11.7	12.8	13.2	12.6	15.7	11.4
22	9.2	9.3	9.4	9.8	10.1	10.1	9.8	9.7	9.5	10.5	10.6	13.2	9.0
23	9.5	9.4	9.4	8.9	9.6	10.4	10.1	9.2	8.8	8.2	9.5	10.5	8.2
24	3.8	4.0	4.2	4.2	4.9	5.5	5.9	4.3	4.5	4.9	4.8	8.3	3.7
25	4.2	4.5	4.6	5.3	5.3	5.4	6.7	8.0	6.1	9.2	5.5	9.2	4.2
26	6.1	6.0	7.4	6.7	6.6	6.6	6.8	7.4	9.0	11.1	7.2	11.1	5.3
27	11.9	13.5	14.0	14.2	14.6	14.7	14.6	14.7	14.9	15.0	13.0	15.0	11.2
28	13.2	15.3	15.3	14.9	15.2	15.7	15.8	16.4	16.0	15.7	14.8	16.4	13.2
29	15.7	16.0	15.8	16.2	16.0	15.8	15.8	15.7	15.9	15.8	15.5	16.2	14.6
30	13.7	13.9	13.6	12.9	12.9	12.8	12.9	13.8	14.6	13.7	13.8	15.8	12.7
31	12.5	12.6	12.6	12.7	12.7	13.0	13.5	14.6	15.2	15.1	13.2	15.2	11.9
平均 MÉD											10.9	13.3	9.3
全月 MÉS												20.0	3.7

雨量 (毫米)

PRECIPITAÇÃO (mm)

RAINFALL (mm)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	VST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.2	0.2	VST	VST	VST	VST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	VST	VST	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	VST	VST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	VST	VST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	VST	VST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	VST	VST	0.2	VST	VST	VST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

雨量 (毫米)

PRECIPITAÇÃO (mm)

RAINFALL (mm)

	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	總數 TOTAL	時最高 MÁX 1h
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	VST	VST
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	VST	VST	VST	0.0	0.0	VST	VST
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	VST	VST
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	VST	VST
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	VST	VST
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	VST	VST
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
全月 MÊS											0.6	0.2

風向及平均風速 (km/h)

DIRECÇÃO DO VENTO E VENTO-VELOCIDADE MÉDIA (km/h)

WIND DIRECTION AND MEAN WIND SPEED (km/h)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h
1	NNE 14	N 23	N 20	N 19	N 19	N 20	N 22	N 24	N 26	N 26	N 26	N 27	N 26
2	N 21	NNW 24	N 26	N 26	N 23	N 22	N 23	N 24	N 26	N 24	N 27	N 29	N 28
3	N 32	N 34	N 33	N 21	N 20	N 16	N 18	N 20	N 31	NNE 32	NNE 31	NNE 34	NNE 29
4	NNW 10	N 14	N 19	N 25	NNE 22	N 23	NNE 26	N 23	N 22	NNE 21	NNE 20	NNE 17	NNE 15
5	NE 17	NNE 13	NNE 13	NE 16	NNE 18	NNE 20	NE 22	NE 17	NE 13	NNE 14	NNE 17	NNE 19	NNE 15
6	ESE 7	E 5	NNE 7	ENE 4	ENE 6	NNE 10	NE 13	NNE 16	NE 15	NE 13	NNE 14	NNE 14	NNE 13
7	NE 10	NE 9	NNE 9	NNE 14	N 12	N 16	NNE 17	N 22	NNE 20	NNE 23	NNE 21	N 16	N 15
8	NNW 15	NNW 14	NNW 17	NNW 20	NNW 20	NNW 20	NNW 22	NNW 22	N 21	N 23	N 24	N 24	N 23
9	N 39	N 35	N 29	N 32	N 34	N 34	N 32	N 36	N 41	N 34	N 40	N 45	NNE 43
10	NNE 42	N 39	N 39	N 34	N 32	N 31	N 31	N 39	N 36	N 34	N 34	N 38	N 36
11	NNE 42	N 37	N 33	N 31	N 33	N 32	N 32	N 30	N 31	N 32	N 30	N 32	NNE 30
12	N 25	N 26	N 27	N 25	N 22	N 23	N 19	N 26	N 24	N 27	N 29	NNE 27	NNE 25
13	N 16	N 23	N 22	N 17	N 15	N 15	N 13	N 13	N 13	NNE 16	NNE 22	NNE 21	NNE 20
14	N 13	N 9	N 12	N 13	N 12	N 15	N 14	N 15	NNE 17	NNE 16	NNE 11	NNE 12	NNE 14
15	N 15	N 11	N 14	N 16	N 13	N 16	N 16	N 14	N 14	N 18	NNE 28	NNE 27	NNE 27
16	N 25	N 27	N 29	N 32	N 30	N 30	NNE 37	N 31	N 33	NNE 37	N 35	N 38	NNE 34
17	NNE 28	NNE 26	NNE 28	NNE 29	NNE 30	NNE 30	N 26	N 27	NNE 26	NNE 27	NNE 25	NNE 24	NNE 22
18	NNE 12	NNE 15	NNE 21	N 20	N 19	N 18	N 23	N 22	NNE 20	NNE 21	NNE 20	NNE 20	NNE 20
19	NNE 10	NNE 12	N 13	NNE 17	N 18	N 17	N 22	N 22	NNE 23	NNE 24	NNE 24	NNE 23	NNE 19
20	N 13	N 12	N 16	N 18	N 19	NNE 22	NNE 29	NNE 26	NNE 24	NNE 23	NNE 21	N 14	N 13
21	N 4	N 6	N 10	NNE 16	N 18	N 19	N 15	N 17	N 19	N 20	N 20	N 19	N 17
22	NNE 16	N 18	N 24	NNE 26	N 27	N 24	N 24	N 22	N 29	NNE 30	NNE 32	NNE 29	NNE 32
23	N 24	N 26	NNE 35	N 30	N 28	N 26	N 27	N 26	N 23	N 23	N 24	NNE 24	NNE 28
24	NNE 40	N 38	N 36	NNE 39	NNE 39	NNE 41	NNE 45	NNE 44	NNE 43	NNE 42	NNE 39	NNE 34	NNE 34
25	NNE 33	NNE 29	N 27	N 28	N 28	N 28	N 28	N 24	N 25	NNE 29	NNE 29	NNE 28	NNE 27
26	NNE 16	NNE 17	NNE 19	NNE 21	NNE 22	NNE 23	NNE 22	NNE 22	NNE 24	NNE 24	NNE 24	NNE 21	NNE 21
27	E 6	NE 11	NNE 15	NNE 16	NNE 13	NNE 14	NNE 15	NNE 17	NNE 18	NNE 15	NE 14	NNE 10	NNE 8
28	E 12	NNE 9	N 9	NNE 9	N 6	N 8	NNW 7	NNW 6	N 6	N 10	NNE 13	NE 12	NE 11
29	SE 6	NNE 5	N 7	N 8	NNE 6	N 7	N 6	NW 2	ENE 4	NNE 4	NNE 10	NE 13	NNE 9
30	NNE 11	NNE 15	NNE 16	NNE 18	N 15	N 16	N 18	N 17	N 23	NNE 22	NNE 20	NNE 19	NNE 19
31	NNE 16	NNE 18	NNE 16	NNE 17	NNE 17	NNE 17	NNE 19	NNE 20	NNE 20	NNE 20	NNE 19	NNE 18	NNE 21

風向及平均風速 (km/h)

DIRECÇÃO DO VENTO E VENTO-VELOCIDADE MÉDIA (km/h)

WIND DIRECTION AND MEAN WIND SPEED (km/h)

	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	平均 MÉD
1	N 29	N 27	N 24	N 19	NNW 19	NNW 22	N 25	N 22	N 24	N 23	N 21	23
2	N 29	NNE 28	NNE 27	N 26	N 20	N 16	N 16	N 17	N 25	N 35	N 35	25
3	NNE 22	NNE 12	N 6	NNE 6	NNE 12	NNE 14	NNE 11	NNE 11	N 7	NNW 8	NNW 10	20
4	NNE 12	NE 10	NNE 7	E 3	ESE 3	SE 4	ESE 8	N 5	NNE 4	N 8	NNE 10	14
5	NNE 13	NNE 8	NNE 11	E 11	E 9	E 11	E 11	E 9	E 10	E 9	ESE 7	13
6	NNE 12	NNE 10	NNE 9	NE 6	ENE 7	NE 11	NNE 15	NNE 15	NNE 14	NNE 14	NNE 13	11
7	N 12	N 11	N 11	NNW 10	NNW 11	NNW 12	NNW 14	NNW 14	NNW 14	NNW 14	NNW 14	14
8	N 22	N 21	N 23	N 25	N 23	NNW 24	N 26	N 30	N 29	N 31	N 35	23
9	N 38	NNE 36	N 36	N 36	NNE 37	NNE 36	NNE 40	NNE 42	NNE 46	NNE 45	NNE 47	38
10	N 40	N 36	N 30	N 24	N 22	N 20	N 22	N 25	N 28	N 38	N 39	33
11	NNE 27	NNE 24	N 20	NNE 21	N 18	N 14	N 16	N 13	N 17	N 18	N 22	26
12	NNE 22	NNE 20	NNE 18	NNE 16	N 15	N 14	N 13	NNW 12	NNW 12	NNW 11	NNW 12	20
13	NNE 19	NNE 15	NNE 12	NNE 14	NNE 12	N 12	N 11	N 12	N 15	N 14	NNE 13	16
14	NNE 15	NNE 16	NNE 14	NNE 12	N 12	N 12	N 10	N 14	N 16	NNE 18	NNE 18	14
15	NNE 26	NNE 25	NNE 24	N 18	N 17	N 15	N 16	N 18	N 18	N 20	N 24	19
16	NNE 29	N 29	N 26	N 24	N 23	N 27	NNE 35	NNE 31	NNE 29	NNE 28	NNE 28	30
17	NNE 18	NNE 16	NNE 12	NE 11	NE 10	NNE 10	NE 9	NE 7	E 6	E 11	NNE 12	20
18	NNE 21	NNE 19	NNE 18	N 16	N 13	N 11	N 13	NNE 15	ESE 7	ESE 8	ESE 6	16
19	NNE 17	NNE 15	NE 10	NE 6	NE 6	ESE 7	ESE 5	ESE 7	ENE 4	N 4	N 10	14
20	NNE 12	NNE 11	NNE 7	NE 10	NE 11	NE 7	ESE 7	ESE 8	SE 8	ESE 5	NE 6	14
21	NNE 13	NNE 13	NNE 14	NNE 13	NNE 12	NNW 9	NNW 9	N 13	N 16	NNE 16	NNE 19	14
22	NNE 29	NNE 28	NNE 28	N 22	N 19	N 16	N 14	N 14	N 16	N 16	N 16	23
23	NNE 31	NNE 28	NNE 26	NNE 24	N 20	N 20	N 21	N 28	NNE 39	NNE 42	N 38	28
24	NNE 33	NNE 33	N 27	N 25	N 23	N 25	NNE 24	NNE 25	NNE 38	NNE 40	NNE 37	35
25	NNE 21	NNE 17	NNE 16	NNE 17	N 16	N 13	N 12	N 14	NNE 16	NE 17	NNE 15	22
26	NNE 19	NNE 19	NNE 16	NNE 14	NNE 12	NNE 12	NNE 9	NE 7	E 2	E 4	E 8	16
27	N 8	NE 7	E 8	ESE 8	ESE 9	ESE 9	ESE 9	ESE 10	ESE 10	ESE 9	ESE 11	11
28	NE 7	NE 5	SSE 11	SSE 14	SSE 12	SSE 11	SSE 11	SSE 12	SSE 10	SSE 12	SSE 8	10
29	ESE 9	ESE 9	SE 10	SE 11	SE 10	ESE 11	ESE 14	ESE 14	E 12	E 10	N 11	9
30	NNE 17	NNE 17	NE 17	NNE 15	N 16	N 17	N 19	NNE 20	NNE 16	NNE 9	NNE 14	17
31	NNE 22	NNE 19	NNE 16	NNE 17	N 12	NNW 10	N 13	N 7	SE 4	SE 6	ESE 6	15
平均 MÉD												19.4

風
VENTO
WIND

	最高風速 (km/h) 及其相對風向		最高陣風 (km/h)	盛行風向		時數 horas
	Velocidade máxima e direção correspondente			Direcção predominante		
1	29	N	60	N		21
2	35	N	56	N		21
3	34	N NNE	61	N NNE		11
4	26	NNE	42	NNE		10
5	22	NE	37	NNE		11
6	16	NNE	28	NNE		14
7	23	NNE	35	N NNW		8
8	35	N	75	N		15
9	47	NNE	74	N		15
10	42	NNE	74	N		23
11	42	NNE	71	N		19
12	29	N	49	N		14
13	23	N	38	N		14
14	18	NNE	28	N		13
15	28	NNE	46	N		18
16	38	N	61	N		15
17	30	NNE	50	NNE		16
18	23	N	41	NNE		12
19	24	NNE	42	NNE		10
20	29	NNE	42	NNE		9
21	20	N	35	N		14
22	32	NNE	54	N		15
23	42	NNE	64	N		15
24	45	NNE	72	NNE		18
25	33	NNE	53	NNE		12
26	24	NNE	37	NNE		20
27	18	NNE	30	NNE		10
28	14	SSE	23	SSE		9
29	14	ESE	30	N NNE ESE		5
30	23	N	37	NNE		15
31	22	NNE	36	NNE		17

雲量 (0 - 10)

NEBULOSIDADE (0 - 10)

CLOUDINESS (0 - 10)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h
1	0	6	6	4	4	4	4	3	4	8	8	8	8
2	4	6	6	6	6	6	8	9	8	3	2	1	1
3	0	0	0	0	0	0	1	1	3	3	3	3	1
4	0	0	0	0	7	2	2	2	2	2	1	1	1
5	9	9	9	9	9	9	9	9	9	9	9	10	9
6	10	10	10	10	10	10	10	10	10	10	9	9	9
7	9	9	9	9	9	9	9	8	9	10	10	10	8
8	9	9	6	4	6	8	8	9	9	7	4	8	3
9	9	9	9	9	9	9	9	9	9	9	9	9	8
10	9	9	9	9	9	7	2	7	1	1	0	1	1
11	0	0	0	0	1	2	7	8	7	3	2	2	0
12	0	0	0	0	0	0	1	0	1	0	2	6	4
13	2	1	3	1	1	1	6	6	7	7	7	7	7
14	9	9	9	9	9	9	9	9	9	9	9	9	9
15	1	1	2	6	7	6	6	7	7	6	2	0	0
16	9	9	9	9	8	6	3	0	3	3	2	8	0
17	8	8	8	9	9	9	9	9	9	9	6	8	4
18	6	9	9	7	7	2	1	2	0	0	1	3	0
19	0	0	0	0	0	3	3	2	0	0	0	0	0
20	7	8	7	6	6	6	6	6	9	9	10	10	10
21	9	9	9	9	9	9	10	9	9	9	9	9	9
22	7	8	8	8	8	9	8	8	7	1	0	0	0
23	0	0	9	9	9	9	9	6	0	0	0	0	0
24	2	2	2	2	2	2	2	0	0	0	0	0	0
25	0	0	0	0	0	0	2	2	0	0	0	0	0
26	9	9	9	9	9	9	9	9	9	9	9	9	9
27	6	6	6	7	8	6	9	8	9	4	8	9	7
28	3	1	1	1	1	1	1	1	3	2	1	0	0
29	2	2	2	2	2	2	2	2	6	6	4	2	1
30	9	9	9	9	9	9	7	9	3	0	1	9	9
31	9	9	10	10	10	10	10	9	9	9	9	8	2

雲量 (0 - 10)

NEBULOSIDADE (0 - 10)

CLOUDINESS (0 - 10)

	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	平均 MÉD
1	9	9	9	10	10	9	9	6	3	3	4	6
2	1	1	2	1	1	1	1	0	0	0	0	3
3	0	0	0	0	0	0	0	0	0	0	0	1
4	0	0	0	3	4	8	8	8	8	9	9	3
5	9	9	10	10	10	10	10	10	9	10	10	9
6	10	10	10	10	7	7	9	7	9	9	9	9
7	6	9	9	9	9	9	9	9	9	9	9	9
8	3	3	2	6	4	2	2	8	8	9	9	6
9	9	9	9	9	9	9	9	9	9	7	9	9
10	1	0	0	1	1	1	0	0	0	0	0	3
11	1	0	0	0	0	0	0	0	0	0	0	1
12	2	2	3	4	4	4	4	4	3	3	3	2
13	7	7	7	8	8	8	8	9	9	9	9	6
14	9	9	10	10	10	10	10	9	9	9	7	9
15	0	0	0	6	7	3	2	1	1	6	9	4
16	7	7	9	8	9	9	9	6	6	8	8	6
17	4	3	0	0	0	0	0	0	2	4	4	5
18	0	0	0	0	0	0	0	0	0	0	0	2
19	0	0	0	0	3	3	2	0	3	3	3	1
20	10	10	10	10	10	10	9	9	9	9	9	8
21	8	4	6	7	7	7	7	7	7	7	7	8
22	0	0	0	0	0	0	0	0	0	0	0	3
23	0	0	0	0	0	0	0	2	2	2	2	2
24	0	0	0	0	2	2	2	2	2	0	0	1
25	0	0	0	0	2	2	1	1	9	9	9	2
26	9	9	9	9	9	9	9	9	9	4	6	9
27	4	1	2	3	2	4	7	6	6	6	3	6
28	0	0	0	0	0	0	0	3	3	3	3	1
29	2	2	0	0	0	1	1	6	7	8	9	3
30	9	10	10	10	10	9	9	9	9	9	9	8
31	1	1	0	0	1	1	1	1	1	1	4	5
平均 MÉD												4.9

各級雲底高度統計

NÚMERO DE VEZES QUE A ALTURA DA BASE DAS NUVENS MAIS BAIXAS FOI OBSERVADA ENTRE LIMITES ESPECIFICADOS

NUMBER OF TIMES THE HEIGHT OF THE BASE OF LOWEST CLOUDS WAS BETWEEN SPECIFIED LIMITS

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h
0 - 50m	0	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100m	0	0	0	0	0	0	0	0	0	0	0	0	0
100 - 200m	0	0	0	0	0	0	0	0	0	0	0	0	0
200 - 300m	0	0	1	1	0	0	0	0	0	0	0	0	0
300 - 600m	1	1	1	0	1	2	2	2	3	3	3	2	1
600 - 1000m	18	19	20	21	21	21	21	19	14	13	14	15	14
1000 - 1500m	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 2000m	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2500m	0	0	0	0	0	0	0	0	0	0	0	0	0
> 2500m	12	11	9	9	9	8	8	10	14	15	14	14	16

	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	總數 TOTAL
0 - 50m	0	0	0	0	0	0	0	0	0	0	0	0
50 - 100m	0	0	0	0	0	0	0	0	0	0	0	0
100 - 200m	0	0	0	0	0	0	0	0	0	0	0	0
200 - 300m	0	0	0	0	0	0	0	0	0	0	0	2
300 - 600m	1	0	0	1	0	0	1	1	1	1	1	29
600 - 1000m	12	11	12	12	12	15	12	15	15	17	19	382
1000 - 1500m	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 2000m	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2500m	0	0	0	0	0	0	0	0	0	0	0	0
> 2500m	18	20	19	18	19	16	18	15	15	13	11	331

能見度 (公里)

VISIBILIDADE (km)

VISIBILITY (km)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h
1	6	6	6	6	6	6	6	6	10	10	10	10	12	12
2	20	20	20	18	18	18	12	15	18	15	15	15	15	18
3	10	12	12	12	12	12	12	12	12	12	12	12	12	12
4	10	10	10	10	10	10	10	10	10	10	10	10	10	12
5	12	12	12	12	10	8	6	8	10	10	8	8	8	6
6	6	4	2	3	5	5	4	5	5	5	5	5	5	5
7	6	6	6	6	8	8	6	6	6	6	6	6	6	6
8	5	8	8	8	8	8	6	8	10	12	15	15	15	15
9	15	15	15	15	15	15	12	10	8	8	8	10	10	12
10	12	12	15	15	15	15	15	15	12	12	12	12	12	12
11	20	20	20	20	20	20	15	18	18	18	18	15	12	15
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13	10	10	10	10	10	10	10	8	8	8	8	8	8	8
14	6	6	10	10	10	10	6	8	8	8	8	8	8	8
15	6	6	8	8	8	8	6	6	6	8	8	8	8	8
16	10	10	10	10	10	10	6	6	6	8	6	6	8	8
17	10	8	8	8	8	8	8	6	6	6	6	6	6	6
18	6	6	6	6	6	6	6	5	5	7	6	7	7	6
19	6	6	6	6	6	6	6	6	6	6	6	6	6	6
20	8	8	8	6	6	5	5	4	5	5	5	5	6	6
21	6	6	6	6	6	6	4	4	5	5	5	5	5	5
22	8	6	6	6	6	6	5	6	6	8	8	8	7	6
23	8	6	6	6	6	6	5	4	4	5	6	6	6	5
24	8	8	8	8	10	10	6	8	6	8	8	8	6	8
25	10	10	10	10	10	10	6	8	10	10	8	8	10	10
26	10	10	10	10	10	10	6	6	8	8	8	8	8	8
27	12	12	12	10	10	8	6	6	6	6	6	8	8	8
28	10	10	10	10	8	8	6	4	4	4	4	4	3	4
29	8	8	8	6	6	6	4	4	4	4	4	5	5	10
30	12	12	12	8	6	6	5	3	3	4	5	5	5	4
31	8	6	4	6	6	6	6	5	5	5	5	5	6	8

能見度 (公里)

VISIBILIDADE (km)

VISIBILITY (km)

	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	最高 MÁX	最低 MÍN
1	12	12	12	12	12	20	20	20	20	20	20	6
2	18	18	18	18	15	12	12	12	10	10	20	10
3	15	18	18	12	12	12	12	12	12	10	18	10
4	12	12	12	10	12	12	12	10	10	10	12	10
5	6	6	6	6	6	8	8	8	8	6	12	6
6	5	5	5	6	8	10	10	10	10	6	10	2
7	6	6	5	6	6	6	6	5	5	5	8	5
8	15	18	18	18	20	20	20	20	18	18	20	5
9	12	12	12	10	10	10	10	10	12	12	15	8
10	12	15	12	12	12	15	15	15	18	20	20	12
11	15	15	15	15	15	15	15	15	12	12	20	12
12	12	12	10	8	12	12	12	12	12	10	12	8
13	8	8	8	8	8	10	10	10	10	8	10	8
14	6	5	5	5	8	8	8	8	8	6	10	5
15	8	8	8	8	8	10	10	10	10	10	10	6
16	8	8	8	8	10	10	15	12	12	10	15	6
17	5	5	4	4	6	6	6	6	6	6	10	4
18	6	5	5	5	8	8	8	8	8	8	8	5
19	8	8	6	6	8	8	10	10	10	8	10	6
20	6	6	5	5	8	8	8	8	8	8	8	4
21	5	5	6	5	8	8	8	8	8	8	8	4
22	5	5	5	5	8	8	8	8	8	8	8	5
23	5	5	5	6	8	8	8	8	8	8	8	4
24	8	8	8	8	10	10	10	10	10	10	10	6
25	10	10	8	8	8	10	10	10	10	10	10	6
26	8	8	8	10	10	10	10	10	10	10	10	6
27	8	8	8	6	10	10	10	10	10	10	12	6
28	4	5	6	6	10	10	10	8	8	10	10	3
29	12	12	10	8	10	12	12	12	12	12	12	4
30	4	4	4	5	6	8	10	10	8	8	12	3
31	8	6	6	6	8	8	10	10	10	8	10	4
全月 MÊS											20	2

總輻射量 ($10^{-2} \text{ MJ m}^{-2}$)

RADIAÇÃO GLOBAL ($10^{-2} \text{ MJ m}^{-2}$)

GLOBAL RADIATION ($10^{-2} \text{ MJ m}^{-2}$)

	5-6h	6-7h	7-8h	8-9h	9-10h	10-11h	11-12h	12-13h	13-14h	14-15h	15-16h	16-17h	17-18h	18-19h	總數	時最高
															TOTAL	MÁX 1h
1	0	2	33	89	95	76	120	225	155	89	42	12	1	0	939	225
2	0	1	18	54	148	227	260	264	240	192	126	45	3	0	1578	264
3	0	2	41	116	185	236	265	269	244	196	127	45	3	0	1729	269
4	0	1	32	105	147	214	246	253	229	182	119	43	3	0	1574	253
5	0	1	21	32	90	86	81	97	80	54	42	19	2	0	605	97
6	0	0	14	27	68	128	134	95	91	52	49	19	2	0	679	134
7	0	0	18	46	47	108	121	176	184	106	47	27	2	0	882	184
8	0	1	17	53	150	212	238	244	226	181	118	40	4	0	1484	244
9	0	0	9	28	75	98	149	200	168	98	61	32	2	0	920	200
10	0	1	38	102	168	220	250	255	235	190	124	45	3	0	1631	255
11	0	1	36	106	172	224	254	258	236	191	126	46	3	0	1653	258
12	0	1	34	104	168	218	244	255	233	188	117	43	3	0	1608	255
13	0	1	28	96	148	208	248	246	177	168	112	35	3	0	1470	248
14	0	0	10	34	62	86	101	137	128	92	51	22	2	0	725	137
15	0	0	24	92	149	198	227	231	211	170	110	42	4	0	1458	231
16	0	0	24	84	148	198	213	228	207	131	67	41	4	0	1345	228
17	0	0	10	38	90	193	199	221	200	155	95	37	3	0	1241	221
18	0	0	23	77	147	199	229	234	214	170	107	42	4	0	1446	234
19	0	0	20	82	144	200	228	232	215	178	115	44	4	0	1462	232
20	0	0	8	50	66	46	63	92	76	45	29	16	2	0	493	92
21	0	0	12	40	82	107	130	148	126	135	110	36	5	0	931	148
22	0	0	28	90	147	197	224	227	208	167	107	44	4	0	1443	227
23	0	0	16	68	127	181	212	219	198	158	102	43	4	0	1328	219
24	0	0	22	81	146	199	230	238	222	181	121	49	5	0	1494	238
25	0	0	22	87	155	209	240	247	228	185	124	51	5	0	1553	247
26	0	0	8	30	63	101	122	130	129	136	85	33	5	0	842	136
27	0	0	12	39	144	160	124	218	222	181	125	54	5	0	1284	222
28	0	0	19	78	135	185	217	226	206	168	111	48	6	0	1399	226
29	0	0	22	84	110	186	220	233	212	184	120	50	6	0	1427	233
30	0	0	25	60	118	168	175	205	144	50	18	12	2	0	977	205
31	0	0	11	42	66	118	129	224	219	178	108	43	5	0	1143	224
全月															38743	269
MÊS																
平均															1250	
MÉD																

漫射太陽輻射量 (10^{-2} MJ m⁻²)

RADIAÇÃO DIFUSA (10^{-2} MJ m⁻²)

DIFFUSE SOLAR RADIATION (10^{-2} MJ m⁻²)

	5-6h	6-7h	7-8h	8-9h	9-10h	10-11h	11-12h	12-13h	13-14h	14-15h	15-16h	16-17h	17-18h	18-19h	總數	時最高
															TOTAL	MÁX 1h
1	0	1	24	58	74	70	110	152	116	79	39	11	0	0	734	152
2	0	1	16	45	53	51	50	49	46	42	34	21	3	0	411	53
3	0	1	18	32	37	39	39	37	35	31	26	15	2	0	312	39
4	0	1	16	32	61	51	51	42	42	37	30	19	2	0	384	61
5	0	0	18	29	81	80	76	91	74	50	39	17	1	0	556	91
6	0	0	13	25	64	110	117	89	85	48	45	17	1	0	614	117
7	0	0	16	41	44	99	112	133	105	86	43	23	2	0	704	133
8	0	0	15	48	66	66	128	70	48	44	34	21	3	0	543	128
9	0	0	8	26	70	90	130	144	127	88	56	26	1	0	766	144
10	0	0	21	34	40	44	46	44	41	37	31	19	3	0	360	46
11	0	1	17	29	35	38	39	40	38	35	29	18	3	0	322	40
12	0	0	14	28	35	41	47	42	39	36	31	20	3	0	336	47
13	0	0	16	42	47	59	58	61	105	64	43	22	3	0	520	105
14	0	0	9	32	59	83	96	123	116	86	48	20	1	0	673	123
15	0	0	16	43	51	55	60	62	60	53	40	23	3	0	466	62
16	0	0	15	38	55	66	112	83	87	88	60	31	3	0	638	112
17	0	0	9	36	82	110	120	113	90	76	54	26	3	0	719	120
18	0	0	16	43	55	63	66	67	63	56	44	24	3	0	500	67
19	0	0	14	39	55	58	62	62	57	46	36	21	3	0	453	62
20	0	0	6	46	62	44	60	87	73	43	27	14	1	0	463	87
21	0	0	11	38	76	101	117	130	115	76	50	28	4	0	746	130
22	0	0	21	53	52	59	68	72	70	63	48	26	3	0	535	72
23	0	0	14	52	77	90	95	98	91	77	55	28	4	0	681	98
24	0	0	15	41	58	67	72	72	68	60	46	27	4	0	530	72
25	0	0	14	35	47	53	57	57	55	49	39	24	4	0	434	57
26	0	0	7	29	60	96	116	123	119	110	75	30	4	0	769	123
27	0	0	10	33	64	105	113	103	70	58	44	25	4	0	629	113
28	0	0	13	44	56	63	66	69	64	57	48	27	4	0	511	69
29	0	0	12	42	73	74	69	61	63	49	43	27	5	0	518	74
30	0	0	21	45	70	94	123	111	108	47	17	11	1	0	648	123
31	0	0	10	39	62	106	116	77	64	57	52	29	4	0	616	116
全月															17091	152
MÊS																
平均															551	
MÉD																

直接太陽輻射 (Wm^{-2})

INTENSIDADE DA RADIAÇÃO DIRECTA (Wm^{-2})

DIRECT SOLAR RADIATION (Wm^{-2})

	9h			12h			15h		
	濾黃光 Filtro RG2	濾紅光 Filtro OG1	無濾鏡 Sem filtro	濾黃光 Filtro RG2	濾紅光 Filtro OG1	無濾鏡 Sem filtro	濾黃光 Filtro RG2	濾紅光 Filtro OG1	無濾鏡 Sem filtro
1	---	---	---	---	---	---	---	---	---
2	---	---	---	623	505	840	512	420	674
3	---	---	---	---	---	---	510	420	622
4	528	430	722	588	465	822	468	406	570
5	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---
10	498	406	670	581	462	817	527	424	714
11	---	---	---	612	487	852	520	422	691
12	538	434	716	---	---	---	527	424	695
13	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---
15	---	---	---	501	406	672	396	334	497
16	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	446	424	484
19	346	298	430	508	418	687	408	350	526
20	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---
22	---	---	---	469	396	617	---	---	---
23	---	---	---	364	313	467	---	---	---
24	335	299	416	489	410	642	406	350	514
25	442	378	568	554	458	746	457	388	590
26	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	374	315	493
28	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	400	341	523
30	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	226	203	272

最低草溫, 土壤溫度, 海水溫度, 雨量及日照量

TEMPERATURAS : MÍNIMA NA RELVA, DO SOLO E DA ÁGUA DO MAR, PRECIPITAÇÃO E INSOLAÇÃO

MINIMUM GRASS TEMPERATURE, SOIL TEMPERATURE, SEA TEMPERATURE, PRECIPITATION AND INSOLATION

溫度 Temperaturas (°C)								
	最低草溫	土壤溫度 do solo				09時海水溫度	雨量 (mm) (09- 09)	日照量 (h)
	Mín na relva	10cm	20cm	50cm	100cm	Água do mar (9h)	Precipitação (mm) (09 - 09)	Insolação (h)
1	14.2	22.5	23.0	24.1	25.0	---	0.0	2.0
2	9.9	19.5	20.6	23.8	25.0	---	VST	7.5
3	5.8	18.0	19.2	23.0	24.9	---	0.0	9.4
4	5.2	18.3	19.1	22.9	24.7	---	0.0	9.0
5	16.4	20.1	20.5	22.4	24.5	---	0.0	0.0
6	17.3	19.7	20.0	22.5	24.2	---	0.4	0.1
7	18.2	21.3	21.6	22.7	24.2	---	VST	1.3
8	15.9	21.3	21.7	23.0	24.1	---	VST	6.7
9	12.0	20.5	19.5	22.9	24.0	---	0.0	1.2
10	8.1	17.6	18.7	22.0	24.0	---	0.0	9.3
11	5.3	16.3	17.6	20.7	24.0	---	0.0	9.3
12	6.0	16.3	17.4	20.9	23.7	---	0.0	9.3
13	7.9	16.6	17.5	20.7	23.4	---	0.0	8.0
14	11.7	18.5	19.0	20.8	23.2	---	VST	0.0
15	12.1	18.5	19.0	21.0	22.9	---	0.0	8.9
16	11.1	18.3	19.2	21.2	22.7	---	0.0	6.8
17	12.6	18.3	19.0	21.1	22.8	---	0.0	5.5
18	9.5	17.8	18.3	21.0	22.8	---	VST	8.8
19	9.1	17.7	18.1	20.9	22.7	---	0.0	8.7
20	11.9	18.5	19.0	20.9	22.3	---	0.0	0.1
21	15.3	18.8	19.3	20.9	22.5	---	0.0	1.3
22	12.6	18.8	19.5	21.1	22.2	---	0.0	8.8
23	9.5	17.9	18.7	21.0	22.8	---	0.0	7.8
24	8.4	16.5	17.6	20.6	22.1	---	0.0	8.8
25	5.7	15.5	16.6	20.1	22.3	---	0.0	9.0
26	7.3	16.6	17.4	19.8	21.3	---	0.0	0.1
27	9.7	17.0	17.6	19.7	21.3	---	0.0	6.1
28	8.4	17.5	18.2	20.1	20.9	---	0.0	8.7
29	9.8	18.0	18.5	20.3	21.7	---	0.0	8.3
30	12.6	19.0	19.4	20.5	21.6	---	0.0	3.8
31	12.4	18.0	19.4	20.6	21.7	---	0.2	4.3
平均 MÉD	10.7	18.4	19.0	21.4	23.1	---		5.8
全月 MÊS	5.2						0.6	178.9

蒸發量, 地表狀況及天氣概況

EVAPORAÇÃO, ESTADO DO SOLO E EVOLUÇÃO DO TEMPO

EVAPORATION, SOIL STATUS AND WEATHER PHENOMENON

蒸發量 (mm) 及附隨觀測

Evaporação (mm) e Observações complementares

水溫 Temperatura da água (°C)

	蒸發計	蒸發盤	最高	最低	風程 (km)	地表狀況	天氣概況
	Piche	Tina da classe A	MÁX	MÍN	Percurso do vento	Estado do solo	Evolução do tempo
1	2.4	3.6	31.0	17.4	33	0	
2	3.2	3.5	22.0	10.3	118	0	CH m
3	3.1	3.3	21.8	8.0	103	0	
4	3.5	4.6	21.2	8.9	50	0	
5	2.6	2.8	24.7	12.6	29	0	CH n
6	1.5	1.0	22.5	17.8	45	1	CH NB m.a; BS a.p
7	1.8	1.2	23.3	18.1	12	0	CH a; BS p; NB n
8	2.0	2.9	21.5	16.8	55	0	NB m; CH m.a
9	4.0	4.7	25.5	12.0	140	0	
10	4.7	5.8	17.4	8.4	170	0	
11	5.7	6.7	19.0	6.0	141	0	
12	4.7	4.8	19.0	6.2	87	0	
13	4.3	4.4	23.8	10.0	60	0	
14	3.8	3.4	22.3	10.6	13	0	CH m; BS p
15	3.2	5.5	20.7	13.5	18	0	
16	5.2	5.5	24.0	12.0	87	0	
17	4.6	4.8	21.4	11.5	105	0	BS p
18	2.4	2.8	21.1	11.6	40	0	CH m; BS a.p
19	3.0	3.9	22.9	11.9	37	0	
20	2.8	3.8	25.0	14.2	41	0	BS m.a.p
21	2.3	3.1	23.4	14.5	29	0	BS a.p
22	3.5	4.0	23.3	14.3	38	0	BS a.p
23	3.6	3.6	23.4	10.7	89	0	BS a.p
24	4.2	5.6	20.4	7.2	128	0	
25	5.5	6.6	17.6	6.3	120	0	
26	4.2	5.2	19.5	8.2	52	0	
27	3.1	5.3	19.9	12.2	36	0	
28	1.6	2.0	23.4	12.5	44	0	NB a; BS a.p
29	1.5	2.7	25.0	13.8	46	0	NB a; BS a.p
30	1.6	3.4	25.4	14.6	65	0	BS a.p
31	2.2	2.6	22.5	14.6	43	1	CH NB m; BS a
平均 MÉD			22.4	11.8			
全月 MÊS	101.8	123.1	31.0	6.0	2074		

九澳氣候觀測站
ESTAÇÃO CLIMATOLÓGICA DE KA-HÓ (COLOANE)

風向及平均風速 (km/h)

DIRECÇÃO DO VENTO E VENTO-VELOCIDADE MÉDIA (km/h)

WIND DIRECTION AND MEAN WIND SPEED (km/h)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h
1	NNE 7	NNE 19	NNE 20	NNE 19	NNE 20	N 20	NNE 23	NNE 26	NNE 26	NNE 29	NNE 28	NNE 30	NNE 32
2	N 20	N 23	NNE 26	NNE 26	NNE 27	N 24	NNE 25	NNE 27	NNE 29	NNE 27	NNE 26	NNE 26	NNE 24
3	NNE 30	NNE 28	NNE 32	N 22	N 18	NNE 18	NNE 17	NNE 20	NNE 29	NNE 29	NNE 29	NNE 30	NNE 25
4	NW 8	NNW 8	NNE 15	NNE 22	NNE 21	NNE 20	NNE 24	NNE 20	NNE 20	NNE 16	NNE 15	NNE 13	NNE 12
5	NE 7	NNE 11	NNE 11	NE 8	NNE 9	NNE 11	NE 12	NE 8	NE 7	NNE 9	NNE 12	NNE 12	NNE 10
6	ENE 6	ENE 6	NE 8	NE 5	ENE 8	NE 7	NE 7	NE 9	NE 8	NNE 7	NNE 10	NNE 10	NNE 10
7	C 1	C 0	NNE 3	NNE 7	NNE 11	NNE 14	NNE 14	NNE 18	NNE 18	NNE 19	NNE 16	NNE 15	NNE 13
8	N 14	N 16	N 14	N 17	N 15	N 18	N 19	N 21	N 22	N 23	N 28	NNE 30	NNE 28
9	NNE 37	NNE 35	NNE 32	NNE 32	NNE 34	NNE 33	NNE 32	NNE 34	NNE 36	NNE 35	NNE 35	NNE 36	NNE 34
10	NNE 32	NNE 33	NNE 32	NNE 33	NNE 29	NNE 31	NNE 30	NNE 35	NNE 37	NNE 34	NNE 35	NNE 34	NNE 31
11	NNE 35	NNE 33	NNE 30	NNE 29	NNE 28	NNE 28	NNE 29	NNE 27	NNE 27	NNE 30	NNE 31	NNE 28	NNE 25
12	NNE 21	NNE 24	NNE 23	NNE 21	NNE 20	NNE 20	NNE 21	NNE 22	NNE 24	NNE 26	NNE 27	NNE 25	NNE 22
13	N 14	NNE 23	NNE 23	NNE 15	NNE 14	NNE 15	NNE 14	N 11	NNE 16	NNE 17	NNE 20	NNE 18	NNE 16
14	NNE 9	N 9	NNE 10	NNE 11	NNE 12	NNE 12	NNE 14	NNE 16	NNE 14	NNE 11	NNE 13	NNE 10	NNE 11
15	NNE 8	NNE 8	NNE 11	NNE 14	NNE 11	NNE 13	NNE 14	NNE 14	NNE 16	NNE 18	NNE 21	NNE 22	NNE 18
16	NNE 22	NNE 25	NNE 26	NNE 28	NNE 28	NNE 26	NNE 29	NNE 30	NNE 29	NNE 27	NNE 30	NNE 30	NNE 26
17	NNE 18	NNE 20	NNE 23	NNE 20	NNE 25	NNE 25	NNE 27	NNE 24	NNE 20	NNE 23	NNE 19	NNE 19	NNE 20
18	NNE 8	NNE 12	NNE 13	NNE 18	NNE 18	NNE 19	NNE 20	NNE 20	NNE 16	NNE 14	NNE 15	NNE 15	NNE 15
19	NNE 2	NNE 6	NNE 10	NNE 14	NNE 19	NNE 13	NNE 17	NNE 22	NNE 19	NNE 18	NNE 19	NNE 18	NNE 17
20	NNE 10	NNE 9	NNE 14	NNE 19	NNE 19	NNE 20	NNE 23	NNE 20	NNE 21	NNE 17	NNE 16	NNE 15	NNE 11
21	NNE 2	C 0	NNE 8	NNE 14	NNE 14	NNE 16	NNE 16	NNE 16	NNE 18	NNE 18	NNE 20	NNE 19	NNE 17
22	NNE 13	NNE 17	NNE 23	NNE 23	NNE 23	NNE 20	NNE 22	NNE 23	NNE 24	NNE 27	NNE 23	NNE 26	NNE 26
23	NNE 18	NNE 25	NNE 30	NNE 28	NNE 29	NNE 26	NNE 25	NNE 26	NNE 26	NNE 25	NNE 21	NNE 19	NNE 22
24	NNE 33	NNE 29	NNE 30	NNE 30	NNE 29	NNE 28	NNE 30	NNE 27	NNE 28	NNE 27	NNE 26	NNE 25	NNE 25
25	NNE 22	NNE 20	NNE 22	NNE 26	NNE 23	NNE 25	NNE 23	NNE 21	NNE 23	NNE 22	NNE 22	NNE 20	NNE 19
26	NNE 10	NNE 14	NNE 15	NNE 20	NNE 18	NNE 19	NNE 20	NNE 18	NNE 17	NNE 17	NNE 17	NNE 20	NNE 20
27	NE 9	NE 11	NNE 12	NNE 12	NNE 11	NNE 11	NNE 13	NNE 13	NNE 13	NNE 11	NE 7	NE 8	NE 8
28	ENE 8	NE 6	NNE 5	NNE 3	NNW 2	NNW 3	NW 4	C 1	NNE 6	NNE 11	NNE 9	NE 7	NE 7
29	C 0	C 0	C 0	N 4	N 2	C 1	C 0	C 0	C 0	NNE 4	NNE 7	NE 7	NE 7
30	NNE 7	NNE 11	NNE 13	NNE 13	NNE 12	NNE 12	NNE 19	NNE 19	NNE 23	NNE 21	NNE 20	NNE 16	NNE 14
31	NNE 10	NNE 9	NNE 10	NNE 13	NNE 13	NNE 15	NNE 14	NNE 16	NNE 16	NNE 18	NNE 16	NNE 16	NNE 14

風向及平均風速 (km/h)

DIRECÇÃO DO VENTO E VENTO-VELOCIDADE MÉDIA (km/h)

WIND DIRECTION AND MEAN WIND SPEED (km/h)

	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	平均 MÉD
1	NNE 32	NNE 29	NNE 26	NNE 23	NNE 22	NNE 23	NNE 27	N 26	NNE 26	NNE 25	NNE 24	24
2	NNE 25	NNE 22	NNE 22	NNE 22	NNE 21	NNE 18	N 16	N 17	NNE 18	NNE 27	NNE 28	24
3	NNE 16	NNE 10	NNE 5	NNE 4	NNE 7	NNE 10	NNE 5	NNE 6	C 1	C 1	NW 8	17
4	NNE 10	NE 7	NE 6	C 1	C 0	C 0	ENE 5	NE 8	NE 6	NNE 4	NNE 7	11
5	NNE 10	NE 6	NE 10	ENE 10	ENE 9	ENE 9	ENE 9	ENE 7	ENE 9	ENE 7	SE 2	9
6	NNE 9	NNE 7	NE 4	ENE 6	ENE 7	NNE 7	NNE 11	NNE 11	NNE 10	NNE 9	NNE 5	8
7	NNE 10	NNE 10	NNE 8	NNE 11	NNE 12	N 10	N 11	N 13	N 14	N 13	N 13	11
8	N 24	NNE 24	N 25	NNE 27	NNE 26	N 24	N 28	NNE 31	NNE 33	NNE 34	NNE 37	24
9	NNE 32	NNE 31	NNE 29	NNE 28	NNE 29	NNE 24	NNE 26	NNE 29	NNE 30	NNE 30	NNE 31	32
10	NNE 32	NNE 33	NNE 29	NNE 26	NNE 25	NNE 21	NNE 22	NNE 25	NNE 30	NNE 34	NNE 33	31
11	NNE 22	NNE 20	NNE 16	NNE 17	NNE 18	N 15	N 16	N 15	N 13	NNE 15	NNE 21	24
12	NNE 17	NNE 15	NNE 14	NNE 12	NNE 13	NNE 14	N 13	N 11	N 10	N 9	N 11	18
13	NNE 13	NNE 10	NNE 10	NNE 8	NE 6	NNE 8	NNE 8	NNE 9	NNE 12	NNE 11	NNE 10	13
14	NNE 12	NNE 10	NNE 11	NNE 10	NNE 11	NNE 12	NNE 10	NNE 13	NNE 13	NNE 11	NNE 8	11
15	NNE 20	NNE 22	NNE 22	NNE 19	NNE 16	NNE 15	N 16	NNE 18	NNE 18	NNE 19	NNE 20	16
16	NNE 24	NNE 23	NNE 25	NNE 24	NNE 21	NNE 18	NNE 22	NNE 21	NNE 18	NNE 18	NNE 18	24
17	NNE 16	NNE 13	NNE 10	NNE 7	NE 3	NNE 6	NE 4	NE 3	NE 2	NE 7	NNE 6	15
18	NNE 16	NNE 12	NNE 13	NNE 10	NNE 11	NNE 9	NNE 9	NNE 4	C 1	C 0	C 0	12
19	NNE 13	NNE 13	NNE 8	C 1	C 0	C 0	C 0	NE 2	NE 10	NE 6	N 2	10
20	NNE 9	NNE 8	NE 3	NE 3	ENE 7	ENE 4	NE 2	SE 4	SE 3	NE 3	C 0	11
21	NNE 12	NNE 12	NNE 12	NNE 10	NNE 8	NNE 3	NNE 2	NNE 10	NNE 10	NNE 12	NNE 14	12
22	NNE 24	NNE 24	NNE 24	NNE 24	NNE 17	NNE 15	NNE 12	NNE 12	NNE 15	NNE 14	NNE 15	20
23	NNE 22	NNE 20	NNE 18	NNE 18	NNE 20	NNE 20	NNE 20	NNE 20	NNE 27	NNE 30	NNE 28	23
24	NNE 28	NNE 27	NNE 27	NNE 25	NNE 23	NNE 24	NNE 19	NNE 20	NNE 23	NNE 26	NNE 23	26
25	NNE 16	NNE 16	NNE 12	NNE 13	NNE 15	NNE 10	N 8	NNE 9	NNE 13	NE 11	NE 9	18
26	NNE 17	NNE 15	NNE 14	NNE 11	NNE 12	NNE 7	NNE 2	C 0	C 0	C 0	NE 6	13
27	NNE 8	NE 4	ENE 8	ESE 7	E 5	ENE 5	SE 6	ESE 6	ESE 5	ESE 7	E 7	9
28	NE 7	ENE 5	S 8	S 11	S 5	SSW 2	SSW 3	S 5	SSE 4	SSE 3	S 3	5
29	ESE 10	ESE 11	ESE 11	SE 8	SE 10	SE 11	ESE 9	ENE 8	NE 9	NE 8	NNE 9	6
30	NNE 12	NNE 11	NNE 9	NNE 10	NNE 10	NNE 14	NNE 17	NNE 13	NNE 8	ENE 6	NE 7	13
31	NNE 14	NNE 12	NNE 11	NNE 12	NNE 11	N 6	NNE 9	NE 3	NE 2	C 1	SE 2	11
平均 MÉD												16.2

風

VENTO

WIND

	最高風速 (km/h) 及其相對風向		最高陣風 (km/h)	盛行風向	時數
	Velocidade máxima e direção correspondente				
1	32	NNE	55	NNE	22
2	29	NNE	54	NNE	19
3	32	NNE	53	NNE	19
4	24	NNE	39	NNE	14
5	12	NE NNE	24	NNE	9
6	11	NNE	19	NNE	12
7	19	NNE	35	NNE	16
8	37	NNE	69	N	15
9	37	NNE	69	NNE	24
10	37	NNE	65	NNE	24
11	35	NNE	66	NNE	20
12	27	NNE	48	NNE	19
13	23	NNE	38	NNE	21
14	16	NNE	25	NNE	23
15	22	NNE	38	NNE	23
16	30	NNE	53	NNE	24
17	27	NNE	43	NNE	19
18	20	NNE	35	NNE	21
19	22	NNE	35	NNE	16
20	23	NNE	36	NNE	15
21	20	NNE	30	NNE	23
22	27	NNE	45	NNE	24
23	30	NNE	53	NNE	24
24	33	NNE	55	NNE	24
25	26	NNE	41	NNE	21
26	20	NNE	33	NNE	20
27	13	NNE	26	NNE	9
28	11	S NNE	21	S NNE	5
29	11	SE ESE	28	C	7
30	23	NNE	37	NNE	22
31	18	NNE	30	NNE	19

氣溫, 相對濕度, 日照量及雨量

TEMPERATURA DO AR, HUMIDADE RELATIVA, INSOLAÇÃO E PRECIPITAÇÃO

TEMPERATURE, RELATIVE HUMIDITY, INSOLATION AND PRECIPITATION

	氣溫 (°C)			相對濕度 (%)			日照量 (h) Insolação (h)	雨量 (mm) (09-09) Precipitação (mm) (09-09)
	Temperaturas do ar			Humidade relativa				
	最高 MÁX	平均 MÉD	最低 MÍN	最高 MÁX	平均 MÉD	最低 MÍN		
1	20.7	18.2	13.7	93	70	58	---	0.0
2	19.1	14.6	11.8	75	66	52	---	0.0
3	20.7	13.9	10.1	74	62	37	---	0.0
4	23.1	18.0	12.7	80	64	43	---	0.0
5	21.3	19.4	18.0	87	78	64	---	0.0
6	22.8	20.3	18.3	93	83	69	---	0.2
7	26.6	22.0	20.1	90	78	62	---	0.2
8	22.2	18.9	15.3	79	68	53	---	0.0
9	16.4	14.7	13.7	71	64	54	---	0.0
10	16.7	13.5	10.8	62	46	33	---	0.0
11	17.6	12.8	8.9	54	44	33	---	0.0
12	19.9	14.8	10.8	58	47	35	---	0.0
13	22.0	16.7	12.7	65	53	39	---	0.0
14	21.4	18.3	16.5	74	61	52	---	0.0
15	23.1	18.7	16.0	75	58	45	---	0.0
16	19.6	16.8	14.8	66	57	43	---	0.0
17	19.6	15.6	12.9	84	61	45	---	0.0
18	21.4	16.6	13.5	85	66	42	---	0.0
19	21.5	16.2	13.2	92	68	39	---	0.0
20	19.0	16.9	14.3	91	74	57	---	0.0
21	22.8	18.8	16.7	87	67	50	---	0.0
22	20.9	17.8	15.3	75	60	45	---	0.0
23	18.3	14.8	12.1	73	64	52	---	0.0
24	16.6	13.3	10.9	69	44	29	---	0.0
25	17.9	13.3	9.8	63	47	30	---	0.0
26	18.2	14.9	12.9	79	54	39	---	0.0
27	21.9	16.8	13.7	84	74	52	---	0.0
28	22.8	17.1	13.2	94	81	54	---	0.0
29	23.5	17.6	13.9	95	83	59	---	0.0
30	22.0	17.8	15.5	89	75	58	---	0.0
31	22.3	17.2	14.7	89	75	54	---	0.6
平均 MÉD	20.7	16.6	13.8	79	64	48	---	
全月 MÉS	26.6		8.9	95		29	---	1.0

土壤溫度及蒸發量

TEMPERATURAS DO SOLO E EVAPORAÇÃO

SOIL TEMPERATURE AND EVAPORATION

蒸發量 (mm) 及附隨觀測

Evaporação (mm) e Observações complementares

水溫 Temperatura da água (°C)

	土壤溫度 Temperaturas do solo (°C)				蒸發計 Piche	蒸發盤 Tina da classe A	水溫 Temperatura da água (°C)		風程 (km) Percurso do vento
	10cm	20cm	50cm	100cm			最高 MÁX	最低 MÍN	
1	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---
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