

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. 本年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京120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。
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。

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。

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。

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。

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。

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 : 根據肉眼觀察估計之公里距離。

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 - 颱風線	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.
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.

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.

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.

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.

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.

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).

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 especifica:

a - Durate a manhã	OR - Orvalho
p - Durate a tarde	NB - Neblina
n - Durate a noite	NV - Nevoeiro
m - Durate 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 - Tromaba marítima	HS - Halo solar
	HL - Halo lunar

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
嘉樂庇總督大橋 Ponte Governador Nobre de Carvalho	22° 10'51"	113° 32'30"	39,40					7,0	7,0
友誼大橋北峰 Ponte de Amizade Norte	22° 11'30"	113° 33'36"	39,64					8,0	8,0
友誼大橋南峰 Ponte de Amizade Sul	22° 10'54"	113° 33'36"	39,54					8,0	8,0
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° 12'54"	113° 32'24"	16,82			1,5	2,0	8,0	8,0
澳門教科文中心 Centro Unesco de Macau	22° 11'30"	113° 32'48"	11,70				0,5		
澳門污水處理廠 E.T.A.R de Macau	22° 12'30"	113° 33'24"	7,00			1,5	1,0	7,0	7,0
九澳 Ka - Hó	22° 08'09"	113° 34'39"	27,00	9,7877		1,5	1,5	13,5	13,5
路環分站 Delegação (Coloane)	22° 07'03"	113° 32'54"	3,30	9,7877		1,5	1,5	10,0	10,0

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

2004 年部份氣象要素之月及年統計值

RESULTADOS MENSIS E ANNUAL DE ALGUNS ELEMENTOS METEOROLÓGICOS EM 2004

MONTHLY AND ANNUAL STATISTIC OF SELECTED METEOROLOGICAL PARAMETERS FOR 2004

	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	1028.3	1028.4	1030.8	1020.2	1016.8	1014.9	1013.4	1009.9	1016.9	1022.7	1025.8	1030.2	1030.8	03-08
Máxima absoluta														
平均	1020.9	1018.9	1016.3	1013.1	1009.4	1007.3	1007.2	1004.0	1010.7	1016.8	1019.3	1020.0	1013.6	
Média														
絕對最低	1013.4	1008.6	1006.0	1006.3	1001.6	997.2	996.2	993.2	1001.8	1009.7	1013.8	1009.5	993.2	08-27
Mínima absoluta														
平均日較差	4.1	4.1	4.7	4.0	3.8	3.4	3.4	3.6	3.5	3.9	3.8	4.5	3.9	
Variação média diurna														
氣溫 (°C)														
Temperatura do ar (°C)														
絕對最高	25.7	27.4	26.1	30.1	31.5	36.2	36.1	36.0	33.9	31.7	29.0	26.4	36.2	06-29; 06-30
Máxima absoluta														
平均最高	18.2	20.2	21.1	25.1	28.8	31.5	30.6	31.4	30.9	28.2	25.4	22.2	26.1	
Média das máximas														
平均	14.6	16.4	18.4	22.4	25.7	28.4	28.0	28.3	27.4	24.4	21.9	18.0	22.8	
Média														
平均最低	12.2	14.0	16.6	20.5	23.4	26.2	26.0	26.0	25.0	21.7	19.4	15.3	20.5	
Média das mínimas														
絕對最低	5.2	5.8	12.1	16.2	17.1	24.0	23.4	23.6	22.4	19.5	13.9	5.7	5.2	01-21
Mínima absoluta														
平均日較差	6.0	6.2	4.5	4.6	5.4	5.4	4.6	5.4	5.9	6.5	5.9	6.9	5.6	
Variação média diurna														
相對濕度 (%)														
Humidade relativa														
平均	73	78	81	84	83	77	82	80	74	60	69	65	76	
Média														
絕對最低	31	32	33	42	49	42	57	47	34	28	25	27	25	11-19
Mínima absoluta														
雲量 (0 -10)	0.6	0.6	0.8	0.8	0.7	0.6	0.7	0.6	0.5	0.2	0.4	0.4	0.6	
Nebulosidade (0 -10)														
日照量 (h)	109.0	120.3	64.8	99.1	151.3	224.0	168.1	169.1	207.7	251.5	156.5	186.4	1907.8	
Insolação (h)														
雨量 (mm)														
Precipitação (mm)														
總數	37.6	45.0	56.0	71.6	357.0	74.2	165.2	519.4	188.4	1.6	0.0	0.0	1516.0	
Total														
降雨日數	6	8	8	9	11	7	20	18	10	2	0	0	99	
Número de dias com precipitação														
最高日雨量 (b)	14.4	16.4	28.4	26.6	177.6	39.0	33.2	167.2	82.6	1.0	0.0	0.0	177.6	05-08
Máxima diária														
最高時雨量 (a)	6.4	6.0	10.2	10.0	91.2	33.4	20.0	51.0	42.0	1.0	0.0	0.0	91.2	05-08
Máxima horária														
風														
Vento														
盛行風向	N	N	N	SE	SE	S	S	S	N	N	N	N	N	
Direcção predominante														
平均風速 (km/h)	17.7	14.8	15.7	15.1	14.2	15.4	16.7	12.5	12.3	15.2	15.4	16.3	15.1	
Velocidade média														
最高陣風 (km/h)	62	62	71	73	70	59	80	76	69	67	64	81	81	12-30
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 DEVIOS EM RELAÇÃO AOS VALORES NORMAIS

THE MONTHLY FIGURES AND THE DEVIATION FROM THE CLIMATOLOGICAL NORMALS

氣溫 (°C)		
Temperatura do ar (°C)		
平均	28.5	-0.1
Média		
平均最高	31.3	-0.2
Média das máximas		
平均最低	26.3	0.0
Média das mínimas		
雨量 (mm)		
Precipitação (mm)		
自一月起之累積雨量	1192.8	-200.1
平均相對濕度 (%)		
Humidade relativa média (%)		
	81	-1
蒸發量 (mm)		
Evaporação (mm)		
	79.2	-13.7
日照量 (h)		
Insolação (h)		
	220.1	-6.1
風		
Vento		
盛行風向及其平均風速	S	13.7
Direcção predominante		
平均風速 (km/h)	13.4	
Velocidade média		

氣候平均值及自1901年起錄得之氣候極值

VALOR NORMAL E OS EXTREMOS REGISTRADOS A PARTIR DE 1901

CLIMATOLOGICAL NORMALS AND EXTREME VALUES SINCE 1901

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	1032.8	1029.3	1027.0	1014.9	1028.8	1023.2	1019.7	1025.0	1031.6	1033.8	1033.8	1999-12-22
Máxima absoluta														
平均	1020.3	1018.7	1016.1	1012.8	1009.3	1006.2	1005.5	1005.3	1009.4	1014.1	1018.2	1020.8	1013.1	
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	4.1	3.8	3.3	3.0	3.3	3.4	3.4	3.5	3.8	4.0	3.6	
Variação 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	17.7	17.7	20.7	24.5	28.1	30.3	31.5	31.2	30.0	27.4	23.4	19.6	25.2	
Média das máximas														
平均	14.8	15.2	18.2	22.1	25.5	27.7	28.6	28.3	27.3	24.7	20.4	16.5	22.4	
Média														
平均最低	12.2	13.1	16.2	20.2	23.5	25.7	26.3	26.0	24.9	22.3	17.8	13.8	20.2	
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	5.4	4.7	4.5	4.4	4.6	4.7	5.2	5.2	5.1	5.1	5.6	5.8	5.0	
Variação média diurna														
相對濕度 (%)														
Humidade relativa														
平均	74	81	85	86	86	84	82	83	79	73	69	69	79	
Média														
絕對最低 (a)	10	19	13	26	34	23	39	40	25	20	16	11	10	1968-01-15
Mínima absoluta														
雲量 (0 -10)	0.6	0.8	0.8	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.5	0.7	
Nebulosidade (0 -10)														
日照量 (h)	132.4	81.8	75.9	87.8	138.4	168.2	226.2	194.7	182.2	195.0	177.6	167.6	1828.0	
Insolação (h)														
雨量 (mm)														
Precipitação (mm)														
平均	32.4	58.8	82.7	217.4	361.9	339.7	300.0	351.7	194.2	116.9	42.6	35.2	2133.4	
Média														
降雨日數	6	10	12	12	15	17	16	16	13	7	5	5	133	
Número de dias com precipitação														
最高月雨量 (b)	153.1	279.0	477.8	749.4	975.2	892.9	917.9	836.4	621.4	405.1	244.4	150.8	975.2	1972-05
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	SW	SW	SW	ESE	ESE	N	N	ESE	
Direcção predominante														
平均風速 (km/h)	13.7	13.2	12.1	11.8	12.1	12.2	11.9	11.2	12.8	14.9	14.8	14.1	12.9	
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	996.9	996.2	995.5	996.2	996.2	997.2	997.6	997.7	997.7	998.3	998.3	998.5	998.0	997.5
2	997.5	997.2	997.0	996.7	996.6	997.1	997.6	997.8	998.5	998.7	998.9	998.9	998.7	998.2
3	998.2	998.0	997.3	997.3	997.1	997.3	997.4	997.5	997.8	998.3	998.4	998.3	998.0	997.4
4	996.6	996.4	996.0	995.8	995.5	996.2	996.0	996.3	996.6	997.0	997.4	997.6	997.1	996.7
5	995.7	995.4	994.7	994.9	995.1	995.6	996.3	996.6	997.1	997.3	997.0	996.7	996.3	995.7
6	994.8	994.0	993.8	994.0	994.2	994.4	994.9	995.3	995.4	995.6	995.1	994.5	993.8	993.2
7	993.3	992.8	992.3	991.9	992.0	992.0	992.0	992.5	992.7	993.0	993.1	993.1	992.5	991.9
8	993.6	993.1	993.3	993.3	993.2	993.3	993.7	994.1	994.5	994.6	994.6	994.3	993.8	993.5
9	995.5	995.2	994.9	995.1	995.4	996.0	996.0	996.0	997.0	997.5	996.9	996.8	996.5	996.4
10	997.1	997.0	996.9	997.0	997.3	997.4	997.7	998.0	998.3	998.5	998.5	998.2	998.0	997.9
11	999.0	998.5	998.3	998.2	998.4	998.4	998.9	999.4	1000.0	1000.2	1000.5	1000.3	999.7	999.3
12	999.4	999.1	998.9	998.8	999.0	998.9	999.3	999.5	999.6	999.8	999.8	999.7	999.2	998.6
13	998.9	998.7	998.7	998.8	998.5	998.4	998.7	999.2	999.2	999.4	999.5	999.7	999.1	998.7
14	999.9	999.6	999.6	999.3	999.6	999.9	1000.3	1000.6	1000.7	1001.0	1001.0	1000.6	1000.2	999.6
15	999.3	999.1	998.7	998.5	998.7	999.2	999.9	1000.4	1001.0	1001.1	1000.7	1000.4	999.9	999.3
16	999.1	998.7	998.6	998.3	998.3	998.6	999.0	999.0	999.2	999.1	999.1	998.9	998.3	997.4
17	995.4	995.2	994.5	994.2	994.1	994.2	994.9	994.9	995.2	995.3	995.0	994.6	993.6	992.5
18	991.1	990.7	990.2	990.1	990.2	990.6	991.1	991.5	991.3	991.0	990.8	990.4	989.8	989.0
19	987.3	986.6	986.4	986.5	986.5	986.8	987.3	987.7	987.9	987.5	987.2	986.7	986.0	985.3
20	986.9	986.6	986.5	986.4	986.7	987.0	987.6	988.0	988.3	988.4	988.2	987.7	987.3	986.7
21	989.0	988.8	988.1	988.0	987.6	988.0	988.2	989.1	989.5	990.0	989.7	989.5	988.9	988.2
22	990.9	990.8	990.5	990.0	989.7	990.0	991.2	991.9	992.6	993.0	993.2	993.0	993.0	993.2
23	994.4	994.2	993.6	993.2	992.9	993.5	993.3	993.4	993.9	994.2	994.8	994.6	994.2	993.5
24	993.1	993.0	993.3	993.3	993.1	993.0	993.0	993.3	993.6	993.9	994.0	993.9	993.6	993.1
25	992.7	992.5	992.1	991.9	991.9	992.1	992.4	992.8	993.0	993.5	993.7	993.3	992.9	992.5
26	992.5	992.1	991.5	991.3	991.3	992.0	992.3	992.7	993.2	993.3	993.3	992.9	992.3	991.8
27	992.2	991.7	991.2	991.2	991.5	991.9	992.4	992.8	993.2	993.5	993.4	993.0	992.6	992.1
28	991.7	991.6	991.4	991.0	990.9	991.1	991.2	991.2	991.9	991.7	992.0	991.6	990.9	990.7
29	989.4	989.1	988.2	988.4	988.0	988.4	988.5	988.8	988.9	989.1	989.1	988.9	988.3	988.5
30	989.3	988.7	988.8	988.4	988.5	988.5	989.6	990.0	990.6	990.8	991.1	991.0	990.9	990.3
31	992.9	992.3	992.0	991.7	992.1	992.2	992.9	993.6	993.8	994.6	994.8	995.1	995.2	994.9

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	996.8	996.8	997.4	996.9	997.3	997.9	998.8	999.2	998.8	998.1	997.5	999.4	995.1
2	997.9	997.3	996.9	996.8	997.1	997.7	998.4	998.8	998.8	998.7	997.8	999.2	996.5
3	996.6	995.9	995.6	995.7	996.1	996.5	996.6	997.2	997.3	997.2	997.2	998.6	995.5
4	996.3	995.9	995.5	995.2	995.3	995.4	995.6	995.9	996.4	996.2	996.2	997.6	995.2
5	995.0	994.7	994.4	994.0	994.0	994.3	994.7	995.0	995.3	995.2	995.4	997.4	993.8
6	993.0	992.6	992.2	991.9	992.1	992.4	992.8	993.4	993.8	993.6	993.8	995.7	991.8
7	991.4	991.0	990.8	991.0	991.4	991.6	992.3	992.6	992.6	993.1	992.2	993.7	990.8
8	993.2	993.3	993.5	993.8	993.7	994.4	994.7	995.1	995.5	995.4	994.0	995.6	993.0
9	995.5	995.2	994.9	995.0	995.1	995.6	996.2	996.7	996.9	997.1	996.0	997.5	994.8
10	997.6	997.1	996.9	996.7	997.1	997.6	998.0	998.3	998.9	998.7	997.7	999.0	996.6
11	998.5	997.9	997.9	997.8	997.9	998.3	998.7	999.3	999.7	999.5	998.9	1000.6	997.7
12	998.0	997.5	997.3	997.1	997.5	997.7	998.4	999.1	999.5	999.3	998.8	999.9	997.1
13	998.2	997.9	997.3	997.4	997.6	998.3	999.1	999.9	1000.4	1000.3	998.8	1000.5	997.2
14	998.9	998.7	998.6	998.4	998.5	999.1	999.5	999.9	1000.2	999.6	999.7	1001.2	998.3
15	998.9	998.3	998.1	997.9	997.6	997.9	998.2	998.9	999.2	999.2	999.2	1001.1	997.6
16	996.5	995.7	995.1	994.9	995.0	995.0	995.4	995.8	996.0	996.1	997.4	999.4	994.9
17	992.0	991.2	990.8	990.5	990.9	991.1	991.5	991.7	992.0	991.7	993.2	996.0	990.4
18	988.5	987.5	986.9	987.1	987.3	987.7	987.9	988.1	988.7	988.5	989.4	991.6	986.8
19	984.9	984.9	984.8	984.9	985.8	986.2	986.5	986.8	987.3	987.2	986.4	988.4	984.7
20	986.2	986.1	986.0	985.8	986.6	987.4	987.6	988.0	988.9	989.0	987.2	989.4	985.8
21	988.3	989.4	988.8	988.2	988.5	988.7	990.5	991.0	990.9	991.0	989.1	991.1	987.4
22	991.8	990.7	989.7	990.4	991.7	992.1	992.8	993.3	993.8	994.3	991.8	994.4	989.5
23	993.5	992.8	992.5	992.3	992.6	992.5	992.9	993.6	993.8	993.5	993.5	995.0	992.2
24	992.5	991.8	991.3	991.5	992.1	992.2	992.8	992.9	993.2	993.1	992.9	994.0	991.2
25	992.1	991.4	991.1	990.9	990.8	991.6	992.5	992.6	993.2	992.9	992.4	993.7	990.8
26	991.0	990.2	989.9	990.2	990.8	991.6	992.1	992.8	993.0	992.7	992.0	993.4	989.8
27	991.7	991.1	990.7	990.6	991.0	991.7	992.0	992.2	992.0	991.8	992.0	993.6	990.5
28	990.1	989.5	989.4	989.2	989.2	989.6	989.8	989.8	990.1	989.9	990.6	992.1	989.0
29	987.9	987.4	986.9	987.6	988.0	988.8	989.0	990.3	990.3	989.7	988.6	990.4	986.9
30	990.1	990.3	989.9	990.4	990.7	991.9	992.0	992.8	993.2	992.9	990.4	993.4	988.4
31	994.6	994.4	994.2	994.2	994.5	995.5	996.1	996.7	996.8	996.8	994.2	996.9	991.7
平均 MÉD											994.0	995.8	992.3
全月 MÉS												1001.2	984.7

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	1010.1	1009.4	1008.7	1009.4	1009.4	1010.4	1010.8	1010.9	1010.9	1011.5	1011.5	1011.7	1011.2	1010.7
2	1010.7	1010.4	1010.2	1009.9	1009.8	1010.3	1010.8	1010.9	1011.6	1011.8	1011.9	1011.9	1011.7	1011.2
3	1011.4	1011.2	1010.5	1010.5	1010.3	1010.5	1010.5	1010.6	1010.8	1011.3	1011.4	1011.3	1011.0	1010.4
4	1009.7	1009.5	1009.1	1008.9	1008.6	1009.3	1009.1	1009.4	1009.7	1010.0	1010.4	1010.6	1010.1	1009.7
5	1008.8	1008.5	1007.8	1008.0	1008.2	1008.7	1009.4	1009.7	1010.1	1010.3	1010.0	1009.6	1009.2	1008.6
6	1007.9	1007.1	1006.9	1007.1	1007.3	1007.5	1008.0	1008.4	1008.4	1008.6	1008.1	1007.4	1006.7	1006.1
7	1006.4	1005.9	1005.3	1004.9	1005.1	1005.0	1005.1	1005.5	1005.7	1006.0	1006.1	1006.1	1005.5	1004.8
8	1006.7	1006.2	1006.4	1006.4	1006.3	1006.4	1006.8	1007.2	1007.6	1007.6	1007.6	1007.3	1006.8	1006.5
9	1008.6	1008.4	1008.0	1008.2	1008.5	1009.2	1009.3	1009.2	1010.2	1010.7	1010.1	1009.9	1009.7	1009.5
10	1010.2	1010.1	1010.0	1010.1	1010.4	1010.5	1010.8	1011.1	1011.4	1011.5	1011.5	1011.2	1011.0	1010.9
11	1012.1	1011.6	1011.4	1011.3	1011.5	1011.5	1012.0	1012.5	1013.1	1013.3	1013.6	1013.3	1012.7	1012.3
12	1012.5	1012.2	1012.0	1012.0	1012.2	1012.1	1012.5	1012.6	1012.7	1012.8	1012.8	1012.7	1012.2	1011.6
13	1012.0	1011.8	1011.8	1011.9	1011.6	1011.6	1011.8	1012.3	1012.3	1012.4	1012.5	1012.7	1012.1	1011.7
14	1013.0	1012.7	1012.7	1012.4	1012.8	1013.1	1013.5	1013.7	1013.7	1014.0	1014.0	1013.6	1013.2	1012.6
15	1012.4	1012.2	1011.8	1011.6	1011.8	1012.3	1013.0	1013.5	1014.1	1014.2	1013.7	1013.4	1012.9	1012.2
16	1012.2	1011.8	1011.7	1011.4	1011.4	1011.7	1012.1	1012.1	1012.2	1012.1	1012.0	1011.8	1011.2	1010.3
17	1008.5	1008.3	1007.6	1007.3	1007.2	1007.3	1008.0	1007.9	1008.2	1008.2	1007.9	1007.5	1006.4	1005.3
18	1004.1	1003.7	1003.2	1003.1	1003.2	1003.6	1004.1	1004.5	1004.2	1003.9	1003.6	1003.1	1002.5	1001.6
19	1000.2	999.5	999.3	999.4	999.4	999.7	1000.2	1000.6	1000.7	1000.3	999.9	999.4	998.6	997.9
20	999.8	999.5	999.4	999.3	999.6	999.9	1000.5	1000.9	1001.1	1001.2	1000.9	1000.4	999.9	999.3
21	1001.9	1001.7	1001.1	1001.0	1000.6	1001.0	1001.2	1002.0	1002.4	1002.9	1002.5	1002.3	1001.7	1001.0
22	1003.9	1003.8	1003.5	1003.0	1002.7	1003.0	1004.3	1005.0	1005.7	1006.1	1006.4	1006.2	1006.1	1006.4
23	1007.6	1007.4	1006.8	1006.3	1006.0	1006.6	1006.4	1006.5	1007.0	1007.2	1007.9	1007.7	1007.3	1006.5
24	1006.3	1006.2	1006.5	1006.5	1006.2	1006.1	1006.1	1006.4	1006.6	1006.9	1007.0	1006.8	1006.5	1006.0
25	1005.8	1005.6	1005.2	1005.0	1005.0	1005.2	1005.5	1005.8	1005.9	1006.4	1006.6	1006.2	1005.8	1005.4
26	1005.6	1005.2	1004.6	1004.4	1004.4	1005.1	1005.4	1005.8	1006.2	1006.3	1006.3	1005.8	1005.2	1004.7
27	1005.3	1004.7	1004.3	1004.3	1004.6	1005.0	1005.5	1005.8	1006.2	1006.4	1006.3	1005.9	1005.5	1005.0
28	1004.8	1004.7	1004.4	1004.0	1003.9	1004.1	1004.2	1004.2	1004.8	1004.6	1004.9	1004.5	1003.8	1003.5
29	1002.4	1002.1	1001.2	1001.4	1001.0	1001.4	1001.5	1001.8	1001.9	1002.1	1002.1	1001.9	1001.2	1001.6
30	1002.4	1001.8	1001.9	1001.5	1001.6	1001.6	1002.7	1003.1	1003.7	1003.9	1004.2	1004.1	1003.9	1003.3
31	1006.0	1005.4	1005.1	1004.8	1005.2	1005.3	1006.0	1006.7	1006.9	1007.7	1007.9	1008.2	1008.4	1008.0

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	1010.0	1010.0	1010.6	1010.1	1010.5	1011.1	1012.0	1012.4	1012.0	1011.3	1010.7	1012.4	1008.7
2	1010.9	1010.3	1009.9	1009.9	1010.2	1010.8	1011.5	1011.9	1012.0	1011.9	1010.9	1012.0	1009.8
3	1009.6	1008.8	1008.5	1008.7	1009.1	1009.6	1009.7	1010.3	1010.4	1010.3	1010.3	1011.4	1008.5
4	1009.3	1008.9	1008.5	1008.2	1008.3	1008.5	1008.7	1009.0	1009.5	1009.3	1009.3	1010.6	1008.2
5	1007.9	1007.6	1007.4	1007.0	1007.0	1007.3	1007.8	1008.1	1008.4	1008.3	1008.5	1010.3	1007.0
6	1005.9	1005.5	1005.1	1004.8	1005.1	1005.4	1005.8	1006.4	1006.9	1006.7	1006.8	1008.6	1004.8
7	1004.3	1003.9	1003.7	1004.0	1004.4	1004.6	1005.4	1005.6	1005.6	1006.2	1005.2	1006.4	1003.7
8	1006.2	1006.3	1006.5	1006.9	1006.8	1007.5	1007.8	1008.2	1008.6	1008.5	1007.0	1008.6	1006.2
9	1008.6	1008.3	1008.0	1008.1	1008.2	1008.7	1009.3	1009.8	1010.0	1010.2	1009.1	1010.7	1008.0
10	1010.6	1010.1	1009.9	1009.7	1010.2	1010.7	1011.1	1011.4	1012.0	1011.8	1010.8	1012.0	1009.7
11	1011.5	1010.9	1010.9	1010.8	1011.0	1011.4	1011.8	1012.4	1012.8	1012.6	1012.0	1013.6	1010.8
12	1011.0	1010.6	1010.3	1010.1	1010.6	1010.8	1011.5	1012.2	1012.6	1012.4	1011.9	1012.8	1010.1
13	1011.2	1010.9	1010.3	1010.4	1010.7	1011.4	1012.2	1013.0	1013.5	1013.4	1011.9	1013.5	1010.3
14	1011.9	1011.7	1011.6	1011.4	1011.6	1012.2	1012.6	1013.0	1013.3	1012.7	1012.8	1014.0	1011.4
15	1011.8	1011.2	1011.1	1010.9	1010.6	1011.0	1011.3	1012.0	1012.3	1012.3	1012.2	1014.2	1010.6
16	1009.4	1008.6	1008.0	1007.8	1008.0	1008.0	1008.4	1008.9	1009.1	1009.2	1010.4	1012.2	1007.8
17	1004.8	1004.0	1003.6	1003.4	1003.8	1004.0	1004.4	1004.7	1005.0	1004.7	1006.2	1008.5	1003.4
18	1001.1	1000.1	999.6	999.8	1000.1	1000.5	1000.7	1000.9	1001.6	1001.4	1002.2	1004.5	999.6
19	997.5	997.4	997.4	997.5	998.4	999.0	999.3	999.6	1000.1	1000.1	999.2	1000.7	997.4
20	998.9	998.8	998.7	998.6	999.5	1000.3	1000.5	1000.9	1001.8	1001.9	1000.1	1001.9	998.6
21	1001.1	1002.4	1001.9	1001.3	1001.6	1001.8	1003.6	1004.1	1003.9	1004.0	1002.0	1004.1	1000.6
22	1005.0	1003.8	1002.8	1003.5	1004.8	1005.2	1005.9	1006.4	1007.0	1007.5	1004.9	1007.5	1002.7
23	1006.6	1005.9	1005.6	1005.4	1005.7	1005.6	1006.0	1006.8	1007.0	1006.7	1006.6	1007.9	1005.4
24	1005.4	1004.7	1004.2	1004.4	1005.1	1005.2	1005.8	1006.0	1006.3	1006.2	1006.0	1007.0	1004.2
25	1005.0	1004.3	1004.0	1003.8	1003.8	1004.6	1005.5	1005.7	1006.3	1006.0	1005.4	1006.6	1003.8
26	1003.9	1003.1	1002.8	1003.1	1003.8	1004.6	1005.1	1005.8	1006.0	1005.8	1005.0	1006.3	1002.8
27	1004.6	1004.0	1003.6	1003.5	1004.0	1004.7	1005.0	1005.3	1005.1	1004.9	1005.0	1006.4	1003.5
28	1002.9	1002.3	1002.3	1002.1	1002.1	1002.6	1002.8	1002.8	1003.1	1002.9	1003.6	1004.9	1002.1
29	1000.9	1000.4	999.9	1000.6	1001.0	1001.8	1002.0	1003.4	1003.4	1002.8	1001.6	1003.4	999.9
30	1003.2	1003.4	1002.9	1003.5	1003.8	1005.0	1005.1	1005.9	1006.3	1006.0	1003.5	1006.3	1001.5
31	1007.7	1007.5	1007.3	1007.3	1007.6	1008.6	1009.2	1009.8	1009.9	1009.9	1007.4	1009.9	1004.8
平均 MÉD											1007.0	1008.7	1005.4
全月 MÉS												1014.2	997.4

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	25.8	25.7	25.6	24.2	24.3	24.5	25.0	25.3	25.8	26.6	26.7	26.4	26.5	24.7
2	25.4	25.5	25.3	25.4	25.6	25.8	26.3	27.4	28.9	29.4	30.2	30.7	30.5	30.4
3	26.9	26.8	26.6	26.5	26.5	26.4	26.9	28.3	29.2	30.1	30.7	30.9	30.8	31.0
4	27.5	27.4	27.4	27.4	27.4	27.3	27.4	27.9	28.6	29.0	30.4	30.3	30.8	30.5
5	27.5	27.4	27.2	26.9	26.7	26.4	26.7	28.0	30.1	30.3	30.7	31.3	31.5	31.5
6	27.2	27.1	26.9	26.8	26.9	26.7	27.0	27.8	29.1	29.7	30.4	31.0	31.0	31.5
7	27.6	27.6	27.6	27.5	27.3	27.4	27.3	27.7	28.4	27.8	28.1	28.6	28.7	30.2
8	27.1	27.2	27.1	27.1	27.2	25.7	26.3	27.1	27.5	28.2	29.2	29.4	29.3	28.9
9	26.3	25.5	26.0	26.4	26.5	24.6	23.9	25.2	24.9	25.3	25.7	27.7	26.4	26.5
10	27.2	27.3	27.4	27.2	27.3	27.2	27.5	28.4	28.9	29.5	30.1	29.9	30.0	30.3
11	27.4	27.3	27.3	27.2	27.2	27.1	27.3	28.3	28.9	29.5	29.9	30.3	30.4	30.6
12	27.5	27.4	27.3	27.0	26.8	26.7	27.0	27.7	29.6	29.8	29.9	30.5	30.6	30.6
13	27.5	27.5	27.3	27.2	27.1	27.0	27.4	28.0	29.0	30.0	30.5	30.7	30.9	31.0
14	27.5	27.4	27.4	27.4	27.3	27.2	27.3	28.1	30.0	30.8	30.7	31.6	31.7	31.4
15	27.8	27.7	27.6	27.4	27.3	27.2	27.5	28.4	29.3	29.7	30.3	31.0	31.7	32.2
16	27.8	27.8	27.8	27.7	27.2	27.3	27.4	28.7	30.7	31.7	32.6	32.5	32.6	32.6
17	27.6	27.7	27.6	27.6	27.4	27.4	27.5	28.5	30.4	31.6	31.8	32.0	32.5	33.3
18	28.9	28.6	28.4	28.2	28.1	28.0	28.2	28.6	29.7	31.1	32.6	34.0	35.0	35.9
19	30.1	30.1	30.0	29.8	29.7	30.0	30.2	30.7	31.9	32.7	34.5	35.1	36.0	36.4
20	30.1	29.7	29.7	29.7	29.6	29.4	29.5	30.3	31.4	32.6	33.6	34.8	35.6	35.4
21	29.0	28.8	28.5	28.4	28.1	28.0	28.3	28.8	30.0	30.7	32.0	32.2	33.2	32.6
22	27.5	27.6	27.7	27.7	27.7	27.4	26.5	26.0	26.0	25.8	25.2	25.1	25.9	25.0
23	25.4	25.5	25.4	25.5	25.7	25.7	26.2	26.9	27.6	28.6	26.1	26.7	27.4	27.8
24	25.3	25.2	25.3	25.4	25.6	25.6	25.8	27.3	29.2	29.8	30.1	30.3	30.4	30.5
25	26.8	26.7	26.7	26.6	26.5	26.4	26.9	28.0	30.0	30.7	31.1	31.5	31.8	31.8
26	26.6	26.7	26.7	26.7	26.5	26.4	26.6	27.3	28.0	29.4	30.0	31.1	31.1	31.5
27	27.3	27.3	27.1	26.9	26.6	26.5	26.6	28.1	29.9	30.8	31.1	31.1	31.5	31.6
28	27.1	27.1	27.2	27.1	27.3	27.3	27.4	28.5	30.2	30.2	30.3	30.6	31.6	32.3
29	27.7	27.8	26.8	26.6	26.8	26.6	26.5	27.0	28.6	27.0	28.5	28.0	28.6	25.5
30	26.0	26.1	25.7	26.0	26.1	26.0	26.3	25.6	25.6	25.4	25.4	26.6	27.8	28.2
31	26.2	26.4	26.6	26.5	25.5	25.6	26.1	26.7	26.4	26.7	27.3	27.7	25.6	27.1

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	25.3	26.0	25.7	25.4	25.4	25.2	25.2	25.3	25.2	25.2	25.4	26.8	24.1
2	30.0	29.4	29.0	28.5	28.1	27.6	27.4	27.2	27.1	27.0	27.8	30.9	25.2
3	31.0	31.2	30.9	30.4	29.4	28.4	28.0	27.7	27.6	27.7	28.7	31.3	26.4
4	30.9	30.3	30.5	29.3	28.7	28.2	27.9	27.8	27.7	27.5	28.7	30.9	27.2
5	31.5	30.6	30.3	29.5	28.7	28.3	28.0	27.8	27.6	27.3	28.8	31.7	26.4
6	31.0	31.8	31.5	30.6	29.4	28.4	28.2	28.0	27.8	27.7	28.9	31.9	26.7
7	31.1	29.8	30.1	28.8	28.5	27.4	27.4	27.9	27.6	27.0	28.2	31.1	27.0
8	29.2	28.5	28.0	27.8	27.6	27.2	26.7	26.6	26.6	26.4	27.6	29.5	25.1
9	26.6	27.3	27.5	27.5	27.3	27.1	27.1	27.2	27.2	27.2	26.4	27.8	23.8
10	29.9	29.7	29.3	29.1	28.4	28.1	27.9	27.7	27.7	27.6	28.5	30.4	26.9
11	30.6	30.6	29.6	29.3	28.6	28.1	27.9	27.7	27.7	27.6	28.6	30.8	27.1
12	30.6	28.5	29.2	29.2	28.7	28.2	28.0	28.0	27.8	27.6	28.5	30.8	26.6
13	30.9	30.3	30.0	29.4	28.8	28.3	28.0	27.9	27.7	27.7	28.8	31.1	27.0
14	31.4	30.8	30.0	29.4	28.9	28.5	28.2	28.0	27.9	27.9	29.0	32.0	27.1
15	32.2	31.9	31.3	30.5	29.7	28.8	28.6	28.5	28.5	28.2	29.3	32.3	27.2
16	32.7	32.5	32.0	31.0	29.7	29.0	28.5	28.2	28.0	27.9	29.7	32.8	26.8
17	33.7	33.5	32.9	31.3	30.5	29.8	29.6	29.4	29.3	29.1	30.1	33.7	27.4
18	36.2	36.3	34.9	33.9	32.5	31.6	31.1	30.9	30.6	30.3	31.4	36.3	27.9
19	36.9	37.3	36.9	36.4	35.0	32.6	32.6	31.7	31.2	30.4	32.8	37.4	29.7
20	34.8	34.5	32.6	30.3	29.8	29.3	29.3	29.1	29.2	29.1	31.2	35.9	29.0
21	32.4	28.6	25.6	25.4	26.0	26.2	26.8	27.0	27.3	27.6	28.8	33.5	25.2
22	24.6	25.7	25.7	26.5	26.4	25.5	25.4	25.5	25.5	25.6	26.1	27.8	24.5
23	27.0	26.5	26.0	26.2	25.9	25.7	25.5	25.3	25.2	25.3	26.2	28.7	25.1
24	30.1	30.7	30.3	30.2	29.5	28.2	27.6	27.4	27.1	27.0	28.1	30.8	25.1
25	31.8	31.7	30.9	29.8	28.8	28.0	27.6	27.3	27.2	27.0	28.8	32.0	26.3
26	31.4	31.0	30.3	29.7	28.9	28.2	27.9	27.9	27.7	27.5	28.5	31.6	26.3
27	31.4	30.9	30.3	29.3	28.3	27.7	27.4	27.2	27.1	27.1	28.7	31.7	26.4
28	33.1	32.5	31.0	29.9	29.1	28.7	28.6	28.3	28.2	28.0	29.2	33.1	27.1
29	26.6	27.1	27.6	27.7	27.4	27.5	27.5	25.1	25.0	25.9	27.0	28.9	24.9
30	25.5	26.1	26.8	25.0	25.8	25.9	25.6	25.8	25.9	25.8	26.0	28.3	24.8
31	27.0	27.4	27.3	27.2	27.0	27.0	27.1	27.1	27.1	27.0	26.7	27.8	25.3
平均 MÉD											28.5	31.3	26.3
全月 MÉS												37.4	23.8

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	24.3	24.4	24.5	22.8	23.2	23.5	23.8	24.1	24.6	25.1	25.2	24.7	25.1	23.0
2	24.3	24.4	24.1	24.4	24.5	24.9	25.3	25.9	26.1	26.6	26.3	26.3	25.8	25.7
3	25.1	25.0	24.8	24.9	25.1	25.1	25.5	26.0	26.3	26.6	26.5	26.0	26.6	26.1
4	25.2	25.3	25.4	25.2	25.5	25.0	25.1	25.5	25.2	25.6	26.2	26.2	25.0	25.2
5	24.6	24.6	24.8	24.8	24.5	24.3	24.9	24.6	26.1	25.8	25.7	24.6	26.1	25.2
6	24.7	24.7	24.7	24.5	24.5	24.4	24.8	24.8	24.6	23.9	23.7	24.9	26.0	25.2
7	24.7	24.9	24.8	24.6	25.2	25.1	24.9	25.4	25.5	24.9	25.1	25.4	24.3	25.0
8	23.4	24.0	24.7	24.9	25.1	24.5	25.0	25.3	25.5	25.8	26.0	25.5	25.9	25.6
9	23.0	23.7	24.1	24.4	24.7	22.8	22.2	23.9	23.2	23.5	22.9	23.0	23.8	23.9
10	25.4	25.5	25.5	25.1	25.3	24.8	25.3	25.4	25.4	25.6	25.7	25.3	25.2	25.7
11	25.1	25.0	25.0	25.0	24.9	24.8	25.0	25.0	25.3	25.1	25.5	25.6	25.6	25.1
12	24.9	24.9	24.9	24.8	24.6	24.7	24.9	25.2	25.3	25.2	24.7	25.0	25.1	24.4
13	24.7	24.9	24.6	24.3	24.4	24.5	24.8	25.0	24.8	24.8	24.3	25.1	24.9	25.1
14	24.7	24.9	24.8	24.8	24.7	24.4	24.7	25.3	25.6	25.0	25.4	24.1	24.3	25.1
15	25.0	25.1	25.1	25.0	25.0	24.9	25.2	25.0	25.5	24.9	24.5	24.6	25.2	23.0
16	23.8	23.8	24.0	24.0	23.8	24.4	24.5	25.5	26.1	26.3	26.3	24.5	24.9	25.4
17	24.2	24.4	24.4	24.7	24.3	24.6	24.5	24.7	25.5	26.3	25.8	25.6	26.0	24.2
18	24.0	25.4	25.0	24.1	24.0	23.8	23.8	24.0	24.3	25.2	25.3	24.2	24.3	24.5
19	26.6	26.4	26.3	25.5	25.4	24.6	24.4	24.5	24.3	24.5	24.0	23.9	22.6	21.9
20	26.6	26.5	26.5	26.9	26.9	26.7	27.1	27.1	27.2	25.3	23.9	23.9	24.8	26.1
21	23.5	24.6	24.8	24.6	24.6	24.9	25.0	25.1	25.2	25.4	25.2	25.5	25.4	26.0
22	25.4	25.8	26.1	26.1	25.9	25.6	24.0	24.4	23.6	23.9	23.5	23.8	23.6	23.1
23	23.9	24.0	23.8	24.1	24.4	24.5	25.0	25.0	24.8	24.5	23.6	24.9	24.3	24.4
24	22.2	23.3	22.9	21.7	22.6	23.1	23.4	24.5	25.1	25.2	25.8	25.7	25.6	25.8
25	25.1	25.0	24.9	25.1	25.0	24.8	25.5	26.0	26.1	25.9	26.2	25.8	25.8	23.2
26	24.5	24.4	24.4	24.7	24.7	24.4	24.9	24.6	24.8	24.5	25.5	25.4	24.5	22.7
27	24.2	24.4	23.9	23.5	23.6	23.6	23.6	25.3	24.9	24.5	25.2	24.0	24.2	24.8
28	25.0	25.1	25.3	24.9	25.0	24.8	25.0	25.3	25.3	25.1	25.2	25.0	26.3	25.2
29	24.0	24.2	25.1	24.9	25.1	24.9	25.2	25.2	25.0	25.8	25.8	25.8	26.0	24.0
30	24.8	24.9	24.6	25.0	25.0	24.8	24.9	24.4	24.6	24.3	24.1	25.0	25.5	25.7
31	24.9	25.1	25.4	25.1	24.2	24.5	25.0	25.4	25.3	25.1	25.8	25.8	24.1	26.1

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	23.4	24.0	23.9	23.6	23.9	23.8	23.9	24.1	23.9	24.0	24.0	25.2	22.8
2	25.2	24.9	25.4	25.2	25.0	25.1	25.1	24.9	24.9	25.0	25.2	26.6	24.1
3	26.5	26.4	25.7	25.6	25.1	24.9	25.4	24.8	25.1	25.3	25.6	26.6	24.8
4	25.7	25.1	25.4	24.9	24.7	24.5	24.4	24.5	24.7	24.5	25.2	26.2	24.4
5	25.6	24.7	25.2	25.0	24.8	24.8	24.8	25.0	25.1	24.9	25.0	26.1	24.3
6	25.5	25.4	24.5	24.8	24.4	24.3	24.3	24.4	24.5	24.6	24.7	26.0	23.7
7	24.4	24.6	24.4	24.3	24.6	24.0	24.4	25.1	24.9	23.5	24.8	25.5	23.5
8	25.3	23.9	23.7	23.7	23.6	23.4	23.6	23.8	24.2	23.3	24.6	26.0	23.3
9	24.1	24.3	24.5	24.8	24.9	24.8	25.0	25.4	25.5	25.4	24.1	25.5	22.2
10	25.6	25.3	25.2	25.2	25.0	25.2	25.2	25.2	25.3	25.5	25.3	25.7	24.8
11	25.6	25.2	24.8	24.9	24.1	24.6	24.5	24.7	24.7	24.8	25.0	25.6	24.1
12	25.2	24.2	24.9	24.5	24.8	24.9	24.3	24.7	24.5	24.7	24.8	25.3	24.2
13	24.7	24.7	24.8	24.6	24.7	24.7	24.7	24.9	24.5	24.7	24.7	25.1	24.3
14	24.6	24.7	24.8	24.5	24.8	24.9	24.6	24.9	25.1	25.2	24.8	25.6	24.1
15	23.6	24.0	24.1	24.5	23.5	23.6	23.5	23.7	23.9	24.0	24.4	25.5	23.0
16	25.1	25.3	24.3	23.8	24.0	23.7	24.0	24.1	24.1	24.3	24.6	26.3	23.7
17	24.5	24.1	24.9	25.0	24.9	24.7	24.2	24.6	24.8	24.6	24.8	26.3	24.1
18	24.6	24.2	26.2	26.5	26.8	27.1	26.9	26.4	26.7	26.7	25.2	27.1	23.8
19	22.5	20.6	21.0	21.5	25.3	26.5	23.7	25.3	26.1	26.5	24.3	26.6	20.6
20	26.0	26.5	27.1	26.3	25.1	26.2	26.1	26.2	26.0	25.2	26.1	27.2	23.9
21	26.8	22.8	22.4	21.8	21.7	23.1	24.4	24.6	25.0	25.1	24.5	26.8	21.7
22	22.5	21.2	21.7	22.6	22.9	22.7	22.1	23.2	23.7	24.1	23.8	26.1	21.2
23	24.2	22.8	23.1	23.2	22.9	22.9	23.0	23.1	22.8	22.9	23.8	25.0	22.8
24	25.6	25.5	24.9	25.4	25.3	25.4	25.3	25.0	25.0	25.1	24.6	25.8	21.7
25	23.4	22.8	23.2	23.8	24.2	24.7	24.3	24.6	24.7	24.7	24.8	26.2	22.8
26	22.8	22.2	22.2	24.2	24.4	24.3	24.5	24.1	24.1	23.7	24.2	25.5	22.2
27	24.5	24.2	23.5	23.9	24.0	24.0	24.4	24.5	24.6	24.8	24.2	25.3	23.5
28	26.4	25.4	25.3	24.9	24.8	24.6	24.7	24.4	24.2	24.2	25.0	26.4	24.2
29	25.4	25.7	24.9	25.3	25.1	25.2	25.1	23.7	24.0	24.7	25.0	26.0	23.7
30	24.3	25.0	25.5	24.0	24.9	24.9	24.4	24.7	24.7	24.4	24.8	25.7	24.0
31	25.4	25.6	25.3	25.3	25.3	25.6	25.8	25.9	26.0	25.9	25.3	26.1	24.1
平均 MÉD											24.7	26.0	23.4
全月 MÉS												27.2	20.6

相對濕度 (%)

HUMIDADE RELATIVA (%)

RELATIVE HUMIDITY (%)

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

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	89	88	90	90	91	92	93	93	92	93	92	94	86
2	75	77	81	82	83	86	87	87	88	89	86	95	72
3	77	76	74	75	78	82	86	84	86	87	83	93	71
4	74	74	74	77	79	81	81	82	84	84	82	89	70
5	71	71	74	76	79	81	83	85	86	87	80	90	67
6	73	69	67	71	75	78	80	81	82	83	78	88	64
7	68	74	71	77	80	82	84	84	85	81	82	89	65
8	80	76	78	78	79	80	83	85	87	83	84	93	74
9	86	83	84	86	87	87	88	90	90	90	87	93	73
10	78	77	78	80	81	84	85	86	86	88	83	90	75
11	75	73	75	77	76	81	82	84	84	85	81	88	71
12	73	77	78	76	80	82	80	82	82	84	80	89	67
13	70	72	74	76	78	81	82	84	83	84	79	87	66
14	67	70	74	75	78	81	81	83	84	85	78	86	60
15	61	63	66	70	69	74	74	75	76	78	76	88	58
16	64	66	64	65	71	73	77	79	79	81	74	85	61
17	59	58	63	69	72	74	73	75	77	76	74	85	55
18	52	50	61	65	72	77	78	77	80	81	70	83	48
19	43	38	40	42	57	70	59	69	75	79	63	82	37
20	60	63	73	79	76	83	83	84	83	80	75	87	51
21	72	70	82	81	77	83	86	87	87	87	78	89	61
22	88	76	79	79	81	85	82	87	90	92	87	93	71
23	84	80	84	83	83	84	86	88	86	87	87	93	75
24	77	74	73	76	78	85	87	87	88	89	81	90	72
25	61	59	64	70	76	82	82	85	87	87	80	93	56
26	60	60	62	72	76	79	81	80	81	80	78	90	55
27	67	68	67	73	77	80	83	85	86	87	77	87	63
28	68	66	72	75	78	78	79	79	79	80	78	89	65
29	93	92	85	87	87	88	87	92	94	93	89	94	79
30	93	94	92	94	95	94	93	94	93	92	92	95	86
31	91	90	88	89	90	92	93	93	94	94	92	95	84
平均 MÉD											81	90	66
全月 MÉS												95	37

雨量 (毫米)

PRECIPITAÇÃO (mm)

RAINFALL (mm)

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h
1	VST	0.0	0.0	1.8	0.6	VST	0.0	0.0	VST	VST	1.2	VST	VST	4.4
2	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
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	VST	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	VST	0.0	VST	2.0	VST	0.0	0.0	0.0
8	VST	0.0	0.0	VST	VST	13.4	VST	0.0	0.0	0.0	0.0	VST	VST	0.0
9	0.0	3.0	0.2	VST	VST	6.4	11.6	0.0	5.8	0.2	0.0	0.0	0.2	VST
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	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	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	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
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	0.0	0.0	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	VST	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	VST	4.4	0.0	0.2
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	0.6	VST	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	VST	1.8	0.8	VST	5.0	0.4	0.0	VST	8.0	VST	1.8	VST	8.8
30	0.0	0.0	2.2	VST	0.0	0.0	VST	8.0	1.2	0.6	0.2	0.0	0.0	0.6
31	0.0	0.0	0.4	0.0	21.8	0.8	VST	3.2	6.6	VST	VST	0.0	6.8	VST

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	VST	0.2	1.8	VST	0.2	0.0	0.0	VST	VST	0.0	10.2	4.4
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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	VST	VST
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
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	VST	0.0	0.0	VST	VST	0.4	0.0	0.0	VST	2.4	2.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	13.4
9	VST	VST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	11.6
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	VST	VST	VST
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	VST	VST
12	0.0	VST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	VST	VST
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	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
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	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
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	VST	VST
21	0.0	6.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	8.6	6.2
22	0.2	VST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.4
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	11.8
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	VST	VST	VST	0.0	0.0	0.0	VST	2.6	0.4	VST	29.6	8.8
30	20.8	VST	0.0	9.2	1.0	VST	VST	VST	VST	0.0	43.8	20.8
31	VST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.6	21.8
全月 MÊS											192.4	21.8

平均風速 (km/h)

VENTO-VELOCIDADE MÉDIA (km/h)

MEAN WIND SPEED (km/h)

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

平均風速 (km/h)

VENTO-VELOCIDADE MÉDIA (km/h)

MEAN WIND SPEED (km/h)

	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	平均 MÉD
1	18	17	15	12	7	6	8	7	7	5	7	14
2	23	21	20	18	18	18	18	16	13	17	17	16
3	12	9	12	13	16	17	18	18	18	18	18	13
4	17	16	15	14	15	15	15	16	17	13	12	14
5	17	15	14	16	15	15	12	12	12	10	11	11
6	8	14	13	10	9	12	14	13	14	12	13	8
7	4	5	6	3	7	7	14	18	17	16	26	10
8	28	32	31	29	22	10	4	5	8	12	14	20
9	13	12	14	15	13	12	12	15	20	20	24	16
10	22	21	21	20	19	17	16	17	18	19	20	20
11	16	16	16	14	12	13	14	13	12	12	10	15
12	15	17	18	13	15	16	15	14	14	15	13	13
13	20	21	21	20	21	22	17	15	16	14	15	16
14	17	17	19	20	19	18	16	13	12	12	13	13
15	15	14	14	15	14	15	14	16	14	16	11	11
16	12	14	10	11	11	12	12	12	10	11	13	8
17	7	10	14	16	19	19	15	16	17	16	15	10
18	11	10	12	10	12	16	15	11	10	14	11	11
19	20	20	17	15	10	6	8	11	11	12	15	13
20	9	13	14	20	19	21	17	18	15	9	7	12
21	14	18	18	15	10	12	15	9	10	15	13	11
22	17	19	9	11	6	5	11	11	13	15	12	12
23	12	13	14	13	6	5	3	3	6	4	3	8
24	14	13	14	15	14	8	10	9	8	7	6	8
25	12	17	13	12	14	15	15	12	10	7	8	9
26	14	14	12	13	12	11	9	10	11	10	9	8
27	12	18	19	22	22	22	22	24	19	17	14	13
28	9	6	7	12	18	16	18	17	19	21	21	13
29	24	19	19	25	26	27	25	26	27	24	22	20
30	28	28	28	31	29	24	25	31	28	26	20	26
31	17	24	22	17	14	16	19	20	18	16	14	23

平均
MÉD

13.4

風向

DIRECÇÃO DO VENTO

WIND DIRECTION

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h
1	SE	SE	SE	SSE	S	SSE	SE	SE	SE	SE	SE	SE
2	ESE	SSE	S	SE	SE	SSE	SSE	SE	SE	SE	SE	SE
3	SE	SE	SSE	SE	SE	SE	SE	SE	ESE	ESE	SE	SE
4	SSE	SSE	S	SSE	SSE	S	S	S	SSE	SE	SE	SE
5	SSE	S	S	S	S	SSW	SSW	S	SE	SE	SE	SSE
6	SSW	SSW	SSW	SW	SW	SW	WSW	WNW	SW	SW	S	ESE
7	SSW	SSW	W	SSW	WNW	WNW	NW	NW	NW	NW	NW	NNE
8	S	S	S	S	S	S	S	S	S	S	SSE	S
9	SSE	S	SSE	S	S	SSW	S	S	S	SW	SSW	S
10	S	SSE	SSE	SSE	S	S	S	S	S	S	SSE	S
11	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE
12	S	S	SSW	SSW	S	SSW	S	SSE	SSE	SSE	S	S
13	S	S	S	SSW	SSW	SSW	S	S	SSW	S	S	SSW
14	S	S	SSW	SSW	SSW	SSW	SSW	S	S	S	S	SSW
15	SSW	SSW	SSW	SSW	SW	SSW	SSW	S	S	S	SSW	ESE
16	S	S	S	S	NNW	NW	WNW	NNW	N	NNE	NE	ENE
17	SSW	SSW	SSW	SW	SW	WNW	NW	NW	NW	NNW	NE	SE
18	SW	SW	SW	WSW	SW	SW	W	WSW	W	SW	NW	NW
19	SW	SW	SW	SW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW
20	SSW	SSW	SSW	SW	SW	SW	SSW	SW	WNW	NW	NW	NW
21	SW	SSW	SW	SW	SW	SW	S	SSW	SSW	SW	SSW	S
22	S	SSW	SSW	SSW	SW	S	SE	SE	SE	SE	SSE	SE
23	SSE	SE	SE	SE	SE	SSE	SE	SE	SE	SE	SSW	SE
24	NW	SSE	SE	ESE	ESE	E	NE	NE	E	ESE	SE	SE
25	SSE	SSW	SSE	SE	ESE	SE	ESE	NE	NE	E	SE	SE
26	SSW	SSW	SSW	WSW	WSW	NW	WSW	SSE	S	SSW	SE	SE
27	S	SSE	S	SSE	S	S	SE	SE	ENE	E	ESE	SE
28	ESE	ESE	ESE	E	ENE	NNE	NNE	NNE	NNE	NE	ENE	ENE
29	E	ENE	ENE	ENE	NE	NE	NE	NE	NE	E	NE	E
30	ESE	ESE	ESE	ESE	SE	ESE	ESE	ESE	SE	SE	SE	SE
31	SE	ESE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SE	SE

風向

DIRECÇÃO DO VENTO

WIND DIRECTION

	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
1	SE	S	S	S	S	SW	S	S	SSE	SE	ENE	ENE
2	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE
3	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE
4	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
5	SSE	SSE	SSE	S	SSW	S	S	S	S	S	S	SSW
6	SE	SE	SE	SE	S	S	S	SSW	SSW	SSW	S	S
7	N	NW	NW	SW	W	SW	W	SSW	SSW	SSW	SSW	SSW
8	S	SSE	S	S	S	S	SSW	S	S	S	SSE	SSE
9	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE
10	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE
11	SSE	S	SSE	SSE	S	S	S	S	S	SSE	S	S
12	S	S	SSE	S	S	S	S	SSE	S	S	S	S
13	SSW	SSW	SSW	SSW	S	S	S	S	S	S	S	S
14	S	S	S	S	S	S	S	S	S	SSW	SSW	SSW
15	E	E	ESE	SSE	SSE	SSE	SSE	S	SE	SE	SE	SE
16	SE	SE	SE	SE	SE	S	S	S	SSW	S	S	SSW
17	SE	S	SSW	S	SSW	S	SSW	SSW	SW	SSW	SW	SW
18	NW	NW	NW	NW	SW	SW	SW	SW	SW	SW	SW	SW
19	NW	NW	NW	NW	NW	NW	NW	SW	SW	SW	SW	SW
20	NW	SSW	SSW	S	S	S	S	S	SSW	SSW	SW	SSW
21	S	S	S	S	SW	S	SSW	S	S	S	S	SSW
22	SSE	SSW	S	SW	SW	SW	SE	SSE	S	SE	SE	SSE
23	SE	SE	SSE	S	SSE	SSE	S	SSE	SE	SSE	W	S
24	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE
25	SE	SSE	SSE	SSE	S	S	S	S	SSW	SSW	S	S
26	SSE	SSE	SSE	S	S	S	S	S	S	SSE	SSE	S
27	SE	SE	SE	SE	SE	SE	SE	SE	SE	ESE	ESE	ESE
28	N	NE	ENE	ESE	ESE	ESE	ESE	ESE	E	E	E	E
29	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	ESE
30	SE	SE	SSE	SE	SE	SSE	SE	SE	SE	SE	SE	SE
31	S	SE	SE	SE	SE	ESE	SE	SE	SE	SE	SE	SE

風

VENTO

WIND

	最高風速 (km/h) 及其相對風向 Velocidade máxima e direção correspondente			最高陣風 (km/h) Rajada máxima	盛行風向 Direcção predominante	時數 horas
1	27	SE	SSE	50	SE	11
2	23	SE		37	SE	18
3	18	SE	SSE	32	SE	19
4	17	SSE		31	SSE	17
5	17	SSE		30	S	12
6	14	SE	SSW	24	S SSW	6
7	26	SSW		47	SSW	8
8	32	S		64	S	19
9	24	SSE		55	S	12
10	28	SSE		52	SSE	16
11	22	SSE		37	SSE	14
12	18	S		40	S	16
13	22	S		37	S	15
14	20	S		36	S	15
15	16	SE		28	SSW	7
16	14	SE		23	S	9
17	19	S	SSW	31	SSW	8
18	16	SW		33	SW	14
19	20	NW		44	NW	10
20	21	S		43	SSW	9
21	18	S		57	S	11
22	25	SE		49	SE	8
23	14	S	SE	29	SE	12
24	16	SE		28	SE	14
25	17	SSE		28	S	6
26	14	SSE		26	S	8
27	24	SE		40	SE	12
28	21	E		43	ESE	8
29	27	ESE		70	ESE	10
30	31	SE		74	SE	15
31	31	SE	SSE	64	SE	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	9	9	8	10	10	9	9	9	9	9	9	9	9
2	8	8	3	3	3	3	4	4	6	6	4	4	4
3	6	6	4	4	3	3	3	4	7	4	3	4	3
4	7	7	7	6	4	6	6	6	6	8	8	9	6
5	6	3	2	2	2	3	4	6	6	6	6	3	3
6	3	3	2	2	3	3	2	3	4	4	4	4	4
7	2	2	2	4	6	8	8	9	9	9	9	9	9
8	9	9	9	9	9	9	9	9	9	9	9	9	8
9	8	9	6	8	9	9	9	6	9	9	9	9	9
10	8	8	4	6	8	6	6	7	7	7	7	7	7
11	4	4	3	3	4	4	4	4	6	6	6	6	4
12	3	3	2	2	3	3	3	3	3	3	2	3	4
13	2	3	3	4	2	2	2	7	4	7	4	4	3
14	2	2	3	2	2	4	8	8	8	8	8	8	8
15	3	3	2	2	2	3	3	4	4	4	3	4	3
16	4	4	3	3	3	4	3	4	4	2	2	3	3
17	1	1	1	1	1	1	1	3	7	4	3	3	3
18	3	4	7	6	6	7	9	9	8	7	7	7	8
19	3	4	4	6	6	9	8	8	8	8	8	7	8
20	3	2	3	7	6	6	6	6	6	8	8	7	6
21	9	9	9	9	9	9	9	8	7	9	9	9	9
22	9	9	9	9	9	9	9	9	9	9	9	9	9
23	8	8	7	7	8	9	8	8	8	8	9	9	9
24	7	4	1	1	2	2	4	6	3	3	3	3	2
25	7	3	2	2	3	2	4	7	4	6	6	3	2
26	1	1	1	1	1	4	4	6	6	6	4	2	2
27	4	3	3	3	3	3	3	3	3	2	2	2	2
28	7	2	3	3	4	7	7	7	6	7	8	8	6
29	3	8	8	8	9	9	9	9	9	9	9	9	9
30	9	8	9	9	8	9	9	9	10	9	9	9	9
31	9	9	9	9	10	9	9	10	9	10	9	9	9

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	9	9	9	9	9	9	9	8	9
2	7	8	8	8	8	6	4	3	2	2	3	5
3	3	3	2	2	2	2	2	2	2	3	8	4
4	6	6	6	6	7	6	6	6	6	6	8	6
5	2	2	2	2	2	2	2	2	4	4	3	3
6	3	2	2	2	2	4	3	2	2	2	2	3
7	9	9	9	9	9	9	8	9	8	9	9	8
8	9	9	8	9	9	6	8	8	7	9	8	8
9	9	9	8	8	8	7	7	7	7	7	8	8
10	7	7	7	4	4	4	4	4	4	4	8	6
11	4	4	4	6	4	1	3	3	3	2	4	4
12	4	7	7	7	4	4	4	3	4	2	3	4
13	3	3	4	6	8	6	6	3	3	2	2	4
14	8	8	8	8	8	8	8	8	8	4	4	6
15	1	2	2	2	2	2	2	2	2	2	2	2
16	4	3	3	3	3	3	1	1	1	1	1	3
17	1	1	1	1	1	1	3	3	3	3	3	2
18	6	7	8	4	7	8	4	4	4	4	3	6
19	7	6	6	8	8	8	8	8	8	3	3	7
20	6	7	6	6	9	9	4	4	4	6	9	6
21	9	7	9	9	9	8	8	9	9	9	9	9
22	9	9	9	9	9	9	8	8	6	6	7	8
23	9	9	9	9	9	9	8	8	8	8	7	8
24	3	4	4	4	4	4	4	4	4	4	6	4
25	2	2	2	2	3	3	3	2	1	2	1	3
26	2	1	1	1	2	7	7	6	6	6	4	3
27	1	1	2	2	2	3	2	1	1	1	1	2
28	3	2	2	2	3	3	3	3	3	3	3	4
29	9	9	8	8	9	9	9	9	9	9	9	8
30	9	10	10	10	10	10	9	9	9	9	9	9
31	9	9	9	9	8	8	9	9	9	9	9	9
平均 MÉD												5.5

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	0	0	1	0	0	1	0	0	0	0	0
300 - 600m	28	29	28	29	28	31	30	28	28	29	29	29	30
600 - 1000m	0	0	0	0	1	0	0	0	0	0	0	0	0
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	3	2	3	2	1	0	1	2	3	2	2	2	1

	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	1	0	1	0	0	0	0	0	0	0	2
200 - 300m	0	0	1	1	2	0	0	0	0	0	0	6
300 - 600m	31	30	30	28	27	28	26	27	27	28	27	685
600 - 1000m	0	0	0	0	0	0	0	0	0	0	0	1
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	0	0	0	1	2	3	5	4	4	3	4	50

能見度 (公里)

VISIBILIDADE (km)

VISIBILITY (km)

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

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	15	15	10	15	20	15	15	15	15	15	20	10
2	20	20	20	20	20	20	20	20	20	20	20	15
3	10	10	10	12	15	15	15	15	15	15	20	8
4	30	30	30	30	30	30	30	30	30	30	30	12
5	30	30	30	30	30	25	25	25	25	25	30	25
6	30	30	30	30	30	25	25	25	25	25	30	25
7	10	10	10	10	10	10	10	12	12	12	20	8
8	15	15	15	20	20	20	20	20	15	15	25	10
9	18	25	25	25	25	25	25	25	25	25	25	5
10	25	25	25	25	25	25	25	25	25	15	25	15
11	25	25	25	25	25	25	25	25	25	25	25	20
12	20	20	25	25	25	20	20	20	20	20	25	20
13	30	30	30	30	30	30	25	25	25	20	30	15
14	25	25	30	30	25	25	25	25	25	25	30	20
15	30	30	30	30	30	25	25	25	25	25	30	25
16	25	25	25	25	25	25	25	25	20	20	25	20
17	18	20	20	20	20	20	20	20	20	15	20	15
18	8	8	8	8	8	8	8	8	8	8	20	8
19	8	10	10	10	10	8	8	8	8	8	10	5
20	6	6	6	8	10	10	10	10	10	10	10	4
21	8	5	8	10	8	12	12	10	10	10	12	5
22	15	25	25	25	25	20	20	20	20	20	25	8
23	15	20	25	25	25	20	20	20	20	20	25	8
24	15	15	15	15	15	15	15	15	15	15	20	15
25	20	20	20	20	20	20	20	20	20	20	30	15
26	15	15	15	15	15	15	15	20	20	15	20	15
27	15	15	15	15	15	15	15	15	15	15	20	15
28	15	20	20	20	20	20	20	20	20	20	20	10
29	18	15	18	18	18	15	15	10	10	15	20	8
30	2	12	4	10	10	12	12	15	15	15	15	2
31	15	15	15	15	15	15	15	15	15	15	18	3
全月 MÊS											30	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	7	51	69	81	61	31	53	49	70	37	26	22	5	562	81
2	6	57	159	149	300	322	346	306	193	123	83	52	21	8	2125	346
3	5	61	125	184	264	312	322	274	317	269	187	30	22	6	2378	322
4	3	24	41	73	176	160	206	355	325	261	166	36	22	6	1854	355
5	3	29	116	180	172	285	352	357	331	290	197	25	16	6	2359	357
6	4	40	96	158	177	171	190	191	220	182	183	39	24	7	1682	220
7	3	22	16	43	51	111	109	198	207	112	71	38	6	1	988	207
8	1	13	53	72	118	211	198	221	154	201	132	58	36	8	1476	221
9	1	18	76	39	77	186	200	197	117	70	118	58	29	6	1192	200
10	2	44	124	192	217	263	264	228	256	192	154	41	26	7	2010	264
11	3	46	89	164	215	270	297	255	291	269	168	59	33	6	2165	297
12	2	20	87	176	210	319	332	276	272	204	86	65	20	6	2075	332
13	3	50	67	149	189	268	323	318	328	290	193	27	19	6	2230	328
14	3	30	83	196	162	266	328	301	301	270	177	52	20	6	2195	328
15	3	48	61	173	128	332	114	352	334	289	211	23	18	6	2092	352
16	2	22	110	200	263	306	340	348	308	281	201	33	18	3	2435	348
17	2	35	105	153	170	217	216	228	322	275	197	58	36	10	2024	322
18	2	30	82	177	252	286	325	327	296	254	182	58	36	10	2317	327
19	3	43	93	162	242	297	308	328	309	249	190	64	35	6	2329	328
20	2	26	86	148	206	232	299	288	271	219	168	55	27	6	2033	299
21	2	24	75	143	186	220	226	259	280	220	21	6	22	7	1691	280
22	0	2	6	8	8	14	77	94	57	87	84	51	27	5	520	94
23	3	65	63	166	227	40	164	139	219	114	76	53	30	7	1366	227
24	2	45	119	194	262	304	345	351	330	231	193	33	22	6	2437	351
25	3	56	115	213	256	308	344	348	333	290	221	33	30	6	2556	348
26	2	37	67	124	156	162	300	334	309	265	194	56	29	6	2041	334
27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28	2	38	115	161	187	170	144	305	327	281	220	147	68	10	2175	327
29	1	7	66	107	137	126	248	154	52	63	94	152	72	8	1287	248
30	1	13	6	8	38	66	142	170	70	26	74	46	7	3	670	170
31	0	7	14	46	66	104	80	38	59	68	89	65	34	6	676	104
全月															53940	357
MÊS																
平均															1798	
MÉD																

漫射太陽輻射量 ($10^{-2} \text{ MJ m}^{-2}$)

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

DIFFUSE SOLAR 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	7	46	62	72	55	31	51	48	66	35	24	20	5	522	72
2	4	23	56	78	80	70	78	98	93	94	68	48	21	8	819	98
3	4	30	53	82	88	74	94	94	71	59	40	30	22	6	747	94
4	2	17	35	54	84	95	84	56	52	56	48	36	22	6	647	95
5	2	23	55	68	81	80	44	32	30	27	28	25	16	5	516	81
6	3	21	38	53	66	74	84	72	77	60	51	39	24	7	669	84
7	2	19	14	38	46	96	94	159	160	86	64	34	5	1	818	160
8	1	12	47	66	100	145	130	135	113	108	96	53	35	8	1049	145
9	1	16	42	36	70	139	138	153	107	65	100	54	28	6	955	153
10	2	22	51	70	97	99	110	107	96	84	64	41	26	6	875	110
11	3	26	55	77	101	128	125	122	104	88	70	59	33	6	997	128
12	2	14	38	51	95	70	75	91	66	93	82	65	20	6	768	95
13	2	22	36	64	75	55	67	58	39	30	34	27	19	6	534	75
14	2	21	45	62	69	78	87	107	95	76	84	52	20	6	804	107
15	2	21	37	62	80	72	71	48	34	31	26	23	18	6	531	80
16	2	18	49	51	45	53	43	39	53	45	46	33	18	3	498	53
17	2	22	54	89	92	109	102	91	66	60	55	58	36	10	846	109
18	2	26	53	74	83	90	95	98	100	92	75	58	36	10	892	100
19	3	33	57	74	86	88	88	89	84	86	78	64	35	5	870	89
20	1	22	58	88	129	147	142	140	138	120	100	55	27	5	1172	147
21	1	21	56	94	130	149	161	167	156	134	17	6	20	6	1118	167
22	0	1	5	7	7	13	70	84	52	77	76	48	26	5	471	84
23	2	50	56	81	122	36	136	121	133	102	68	48	28	6	989	136
24	2	17	31	38	41	51	42	43	43	59	43	33	22	6	471	59
25	2	39	67	72	59	49	38	40	35	33	34	32	30	6	536	72
26	1	22	45	82	101	116	130	87	88	79	70	56	29	6	912	130
27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28	2	26	38	72	114	124	118	69	47	41	34	34	22	4	745	124
29	1	7	41	63	82	99	151	112	47	55	66	56	49	7	836	151
30	1	11	5	7	34	56	122	145	61	24	66	40	6	3	581	145
31	0	6	12	41	58	92	70	34	52	60	76	56	29	5	591	92
全月															22779	167
MÊS																
平均															759	
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	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	533	443	833
6	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	538	448	834
16	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	430	375	617
18	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	532	444	822
26	---	---	---	---	---	---	---	---	---
27	---	---	---	527	445	808	495	421	756
28	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---

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	23.0	26.7	27.9	28.8	27.7	---	29.4	0.0
2	23.0	26.7	27.6	28.4	27.8	---	8.0	8.6
3	23.5	28.0	28.8	29.0	27.7	---	0.0	11.3
4	24.0	29.1	29.8	29.7	27.8	---	VST	9.4
5	22.5	29.1	29.7	29.8	27.9	---	0.0	10.0
6	22.9	29.3	30.0	30.2	28.1	---	0.0	9.1
7	22.5	29.3	30.0	30.4	28.3	---	VST	0.6
8	23.0	28.1	29.1	30.0	28.4	---	15.8	3.4
9	23.6	27.2	28.4	29.7	28.5	---	27.0	0.9
10	24.1	27.6	28.4	29.3	28.6	---	0.4	11.2
11	22.5	28.2	29.0	29.6	28.5	---	VST	10.9
12	23.0	28.8	29.5	30.0	28.5	---	0.0	8.7
13	22.6	28.9	29.7	30.2	28.6	---	VST	10.7
14	23.0	29.0	29.8	30.3	28.6	---	0.0	9.6
15	23.3	29.2	30.0	30.5	28.7	---	0.0	9.6
16	23.3	29.6	30.3	30.6	28.0	---	0.0	10.6
17	24.5	30.0	30.4	31.2	29.0	---	0.0	10.7
18	24.7	29.8	30.7	31.2	29.0	---	0.0	9.8
19	26.8	30.4	30.8	31.5	29.2	---	0.0	9.6
20	26.3	30.8	31.6	31.7	29.4	---	VST	8.4
21	25.0	30.6	31.6	31.8	29.5	---	0.0	3.1
22	23.8	29.5	30.5	31.5	29.7	---	8.6	0.0
23	22.7	28.0	29.0	30.5	29.6	---	4.8	2.0
24	21.0	27.8	28.8	30.2	29.6	---	12.4	9.6
25	22.7	29.6	30.2	30.7	29.5	---	0.0	9.2
26	22.6	29.6	30.5	31.1	29.5	---	0.0	9.1
27	22.5	29.5	30.4	31.2	29.5	---	0.0	11.5
28	24.4	29.6	30.6	31.5	29.6	---	0.0	9.2
29	25.1	29.3	30.4	31.5	29.7	---	8.0	3.3
30	24.2	27.7	28.0	30.7	29.7	---	33.0	0.0
31	24.4	26.7	28.0	29.8	29.7	---	65.2	0.0
平均 MÉD	23.6	28.8	29.7	30.4	28.8	---		7.1
全月 MÊS	21.0						212.6	220.1

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 PHENOMENOM

蒸發量 (mm) 及附隨觀測

Evaporação (mm) e Observações complementares

水溫 Temperatura da água (°C)

	蒸發計 Piche	蒸發盤 Tina da classe A	最高 MÁX	最低 MÍN	風程 (km) Percurso do vento	地表狀況 Estado do solo	天氣概況 Evolução do tempo
1	0.5	0.4	26.8	24.0	152	1	AG m.a.p.n
2	0.9	0.8	28.8	24.3	40	0	AG m
3	1.6	5.5	32.8	25.7	46	0	
4	2.1	6.3	39.7	26.3	72	0	AG m
5	2.6	6.2	37.7	25.5	82	0	
6	2.6	7.0	38.8	25.6	70	0	
7	2.5	3.7	36.8	26.1	31	0	TR a; AG a.p.n; RP n
8	2.2	5.4	33.7	25.4	103	1	AG m.a.p
9	2.1	3.8	33.0	24.1	149	2	AG m.a.p
10	1.6	2.0	31.1	24.5	144	0	RP m; AG n
11	2.4	5.0	36.2	26.0	156	0	AG m
12	2.4	4.2	32.5	26.0	84	0	AG p
13	2.6	4.9	37.2	25.5	106	0	
14	3.1	6.4	31.4	25.6	98	0	HS p
15	3.0	5.7	37.8	25.6	82	0	
16	3.4	6.8	37.6	25.6	57	0	
17	2.9	6.4	40.2	25.2	40	0	
18	4.2	6.5	39.4	26.0	104	0	
19	5.4	8.5	40.7	27.1	142	0	RP m; BS a; RP TR n
20	6.5	7.9	39.1	27.6	138	0	AG m; NB m.a; BS a.p; RP n
21	4.3	6.5	39.9	26.4	111	0	RP m; TR AG p
22	2.5	1.0	38.2	25.7	83	0	RP m; TR m.a; AG a.p
23	1.3	2.7	28.5	24.5	67	0	TR AG a.p
24	1.5	1.8	33.8	24.2	22	0	
25	1.8	4.9	38.2	25.0	28	0	
26	2.6	7.6	40.8	25.5	47	0	
27	2.9	7.3	39.5	25.8	56	0	
28	2.9	7.4	40.0	26.0	124	0	
29	2.8	6.7	32.4	25.7	166	1	AG m.a.p.n; RP TR n
30	1.3	---	33.1	25.2	245	2	AG m.a; TR a; AG p.n
31	0.7	---	30.7	24.0	156	2	TR AG m.a.p
平均 MÉD			35.7	25.5			
全月 MÊS	79.2	149.3	40.8	24.0	3001		

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

平均風速 (km/h)

VENTO-VELOCIDADE MÉDIA (km/h)

MEAN WIND SPEED (km/h)

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

平均風速 (km/h)

VENTO-VELOCIDADE MÉDIA (km/h)

MEAN WIND SPEED (km/h)

	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h	平均 MÉD
1	12	11	9	9	4	5	6	3	4	2	6	9
2	16	15	12	10	10	11	11	7	7	8	8	9
3	10	9	9	10	12	10	9	10	10	7	11	8
4	16	16	16	15	13	13	14	14	16	14	13	13
5	18	16	17	18	16	15	13	12	11	8	5	12
6	16	15	12	13	12	12	12	11	9	8	8	9
7	6	5	7	5	7	7	11	13	14	16	20	9
8	28	30	28	25	18	8	4	4	5	6	16	17
9	14	9	11	13	15	12	12	17	12	12	21	13
10	20	20	20	20	18	16	18	16	19	17	20	19
11	16	16	18	18	14	14	15	13	11	9	11	15
12	16	15	14	11	15	15	14	15	14	12	13	12
13	21	20	20	18	19	19	14	10	11	10	10	14
14	18	20	20	18	17	18	17	12	12	11	9	13
15	16	---	---	---	---	---	---	---	---	---	---	9
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	9	10	10	16	16	14	11	6	10	11	8	11
19	12	10	11	9	11	10	8	8	10	13	11	11
20	20	22	19	24	19	21	20	17	12	10	8	13
21	22	23	21	11	7	9	9	4	5	10	10	10
22	14	14	9	11	4	3	7	12	8	7	7	10
23	10	14	15	14	7	6	3	2	3	5	3	7
24	11	9	9	11	8	6	6	5	6	4	3	6
25	14	17	16	16	16	13	10	7	6	5	4	8
26	16	15	16	15	15	13	6	7	8	9	7	9
27	11	13	13	15	14	13	12	12	9	8	8	10
28	14	14	10	13	13	12	13	21	26	32	29	17
29	16	15	21	14	14	15	21	24	23	23	20	23
30	15	23	17	16	25	13	13	15	13	11	8	15
31	8	11	12	10	8	10	11	9	8	7	6	12
平均 MÉD												11.8

風向

DIRECÇÃO DO VENTO

WIND DIRECTION

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h
1	SE	SE	SE	S	S	S	SE	SE	ESE	ESE	SE	SE
2	E	SSE	SW	SE	SE	SE	SSW	ESE	ESE	ESE	SE	SE
3	SE	SE	SSE	SE	SE	SE	SE	ESE	NE	ENE	ESE	ESE
4	S	SSE	SSE	S	SSE	S	S	S	SSE	SSE	S	SSE
5	S	S	SSW	SW	SW	SW	SW	S	SSE	SSE	SSE	SSE
6	SSW	SW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	S	S
7	SW	SW	SW	SW	W	WSW	W	W	N	NE	WNW	NE
8	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	S	S
9	S	S	S	S	S	WSW	SW	C	SW	SSW	S	S
10	S	SSE	S	S	S	S	S	S	S	S	S	S
11	S	S	S	S	S	S	S	S	SSE	SSE	SSE	SSE
12	S	S	SSW	SW	SW	SW	S	SSE	SSE	SSE	S	S
13	S	S	SW	SW	SW	SW	SW	S	SSW	S	S	SSW
14	SW	SSW	SW	SW	SW	SW	SW	SSW	S	SSW	SSW	SSW
15	SW	SW	SW	SW	SW	SW	SW	S	S	S	SSE	S
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	WSW
19	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	NW	WSW	NW	NW
20	SSW	SSW	SW	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW
21	SSW	SW	SSW	SSW	SW	SW	SSW	SSW	SSW	WSW	WSW	SSW
22	SSW	SSW	SSW	SSW	SW	S	SE	SSW	SE	SE	SSE	SE
23	SSE	SSE	SE	SE	SE	SE	SE	SE	ESE	ESE	W	ESE
24	SSW	SSW	C	C	C	ENE	NE	NE	NE	NE	ESE	ESE
25	S	SW	C	C	C	C	C	NE	NE	ENE	S	S
26	SW	SW	SW	WSW	SW	C	SW	C	S	SSE	SSE	SSE
27	S	SSE	SSE	SSE	SSE	SSE	SE	SE	ENE	NE	NE	NE
28	E	E	NE	NE	NE	NE	NE	NE	NE	NE	ENE	NE
29	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
30	NE	NE	NE	ESE	ESE	NE	ENE	SE	SE	SE	ESE	ESE
31	ESE	ESE	ESE	SE	SE	SE	SE	SE	S	SSE	SE	SE

風向

DIRECÇÃO DO VENTO

WIND DIRECTION

	13h	14h	15h	16h	17h	18h	19h	20h	21h	22h	23h	24h
1	S	SSW	SSW	SSW	SSW	S	S	S	SE	SSE	S	NE
2	S	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE
3	ESE	ESE	ESE	ESE	SSE	SE	SE	SE	SE	SE	SE	S
4	SSE	SSE	SSE	S	S	S	S	S	S	S	S	S
5	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SW
6	S	S	SSE	S	S	S	S	SSW	SSW	SSW	SW	SSW
7	NNE	WSW	WSW	SSW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
8	S	S	S	S	SSW	SSW	SW	SSE	WSW	S	SSW	S
9	SSW	S	SSW	SSW	S	SSE	S	S	S	S	S	S
10	S	S	S	S	S	S	S	S	S	SSE	S	S
11	SSE	S	SSE	SSE	S	S	S	S	S	S	S	S
12	S	S	SSE	SSW	S	S	S	S	S	S	SSW	S
13	SSW	SSW	SSW	S	SSW	S	SSW	SSW	SW	SW	SSW	SSW
14	S	SSW	S	S	SSW	S	S	S	SSW	SSW	SSW	SW
15	S	S	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	SW	SW	WSW	WSW	SSW	SSW	SSW	SSW	SW	SSW	SW	SW
19	NW	WNW	NW	WNW	WNW	SSW	SSW	SW	SW	SW	SW	SSW
20	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	SW	SSW
21	SSW	SSW	SSW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW
22	S	SW	SSW	SW	WSW	N	SSE	S	S	SE	SE	SSE
23	SSE	SSE	SSE	S	S	S	SSW	S	SW	SSW	WSW	SW
24	ESE	ESE	ESE	SE	ESE	SE	SE	SE	SSE	SE	SSE	SE
25	SSE	SSE	S	S	S	S	S	SSW	SW	SW	WSW	SW
26	S	S	S	S	S	S	S	SW	S	SSE	SSE	S
27	ENE	ESE	ESE	ESE	ESE	ESE	SE	ESE	ESE	E	E	E
28	NE	NE	ENE	NE	ENE	ENE	NE	NE	NE	NE	NE	NE
29	NE	ENE	NE	NE	E	ENE	ENE	NE	NE	NE	NE	NE
30	ESE	ESE	S	SE	ESE	S	SE	SE	SE	SE	SE	SE
31	SSW	SE	SE	ESE	ESE	ESE	ESE	ESE	SE	SE	SE	ESE

風
VENTO
WIND

	最高風速 (km/h) 及其相對風向 Velocidade máxima e direção correspondente		最高陣風 (km/h) Rajada máxima	盛行風向 Direcção predominante		時數 horas
1	22	S	42	S	SE	8
2	16	S	32	SE		13
3	12	SE	25	SE		12
4	16	S SSE	26	S		15
5	18	S	29	S		11
6	16	S	26	S		8
7	20	NNE SSW	40	SSW		8
8	30	S	53	SSW		11
9	21	S	52	S		15
10	25	S	42	S		22
11	19	S	32	S		17
12	17	S	37	S		14
13	21	SSW	38	SSW		10
14	20	S	33	SSW		10
15	16	S	26	SW		7
16	---		---			---
17	---		---			---
18	16	SSW	27	SW	SSW	5
19	19	WSW	41	WSW		9
20	24	SSW	45	SSW		10
21	23	SSW	49	SSW		16
22	24	SSE	42	SE	SSW	6
23	15	S	24	SE		6
24	14	ESE	29	SE	ESE	6
25	17	S	27	S		8
26	16	S	27	S		10
27	15	ESE	29	ESE		7
28	32	NE	49	NE		18
29	31	NE	55	NE		20
30	25	S	52	SE		10
31	18	SE	51	SE		12

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)
	最高 MÁX	平均 MÉD	最低 MÍN	最高 MÁX	平均 MÉD	最低 MÍN		
	Temperaturas do ar			Humidade relativa				
1	27.7	26.3	24.9	92	89	84	0.0	37.4
2	32.5	29.0	25.4	92	83	70	8.2	6.6
3	33.5	30.2	26.9	89	79	66	11.4	0.0
4	32.8	30.4	27.9	87	78	67	10.5	0.0
5	32.7	30.0	27.2	87	78	67	10.9	0.0
6	33.4	30.0	26.7	88	77	62	10.9	0.0
7	31.1	29.1	27.1	89	83	66	0.5	0.0
8	30.8	28.3	25.8	91	82	70	3.1	11.8
9	28.5	26.6	24.8	91	86	75	0.2	20.2
10	32.2	29.8	27.5	88	81	71	10.3	4.8
11	32.6	30.2	27.8	85	78	68	11.2	0.0
12	32.7	30.0	27.2	88	78	65	9.8	0.0
13	32.2	30.0	27.7	85	77	66	10.6	1.2
14	32.8	30.4	27.9	83	76	64	10.5	0.0
15	33.4	30.2	27.0	89	74	60	11.2	0.0
16	35.2	30.9	26.7	84	72	55	10.9	0.0
17	33.6	30.2	26.9	86	74	60	9.0	0.0
18	37.3	34.2	31.0	80	70	47	9.7	0.0
19	38.5	34.3	30.1	79	64	35	9.9	0.0
20	36.4	32.9	29.4	86	75	51	8.4	1.0
21	33.6	29.7	25.8	89	79	60	4.2	0.0
22	28.0	26.6	25.2	90	85	73	0.5	9.4
23	30.2	27.6	25.1	90	85	71	3.2	14.6
24	32.9	28.8	24.6	92	81	66	10.5	8.8
25	33.4	29.8	26.3	91	78	60	11.1	0.0
26	32.6	29.4	26.1	91	79	59	10.4	0.2
27	34.3	30.4	26.6	86	74	56	11.0	0.0
28	34.9	31.4	27.9	87	76	61	9.1	0.0
29	29.3	27.6	26.0	92	87	80	2.8	3.0
30	29.2	27.5	25.8	92	89	83	0.0	29.8
31	28.6	27.3	26.0	92	89	82	0.0	47.6
平均 MÉD	32.5	29.6	26.8	88	79	65	7.4	
全月 MÉS	38.5		24.6	92		35	230.0	196.4

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	最高 MÁX	最低 MÍN	風程 (km) Percurso do vento
	10cm	20cm	50cm	100cm					
1	27.6	26.0	29.0	28.3	0.7	---	27.0	27.0	22
2	28.2	27.5	28.7	28.4	0.6	1.8	30.0	27.8	3
3	29.0	29.0	29.3	28.8	2.1	8.1	40.2	28.0	4
4	30.1	30.0	29.9	28.3	2.0	8.0	42.0	29.5	3
5	29.7	30.0	30.1	28.5	2.7	5.8	41.0	29.0	2
6	30.0	30.3	30.5	28.6	2.7	6.5	41.5	29.0	4
7	29.6	30.5	30.6	28.8	2.6	5.6	41.0	29.5	2
8	28.9	29.3	30.1	28.9	2.1	2.2	33.5	30.0	27
9	27.6	26.4	29.8	28.8	2.1	4.7	35.5	28.9	30
10	28.6	29.4	29.5	28.8	1.7	1.2	31.6	24.2	17
11	29.5	29.6	30.0	28.9	3.0	6.1	40.0	26.0	10
12	30.0	30.0	30.3	28.9	2.8	5.5	40.6	25.0	2
13	30.0	30.1	30.5	29.0	3.2	4.0	40.6	25.0	4
14	30.5	30.4	30.7	29.1	3.9	7.1	40.5	25.0	18
15	30.5	30.5	30.9	29.1	3.0	6.0	39.0	24.5	14
16	31.4	31.0	31.1	29.1	3.3	7.1	41.0	24.7	5
17	30.5	31.0	31.3	29.4	3.1	6.5	42.0	24.8	2
18	31.0	31.1	31.5	29.5	4.5	4.7	39.5	24.5	39
19	31.5	31.8	31.6	29.6	5.3	7.4	40.0	26.0	49
20	31.9	32.0	32.0	29.7	5.8	8.3	39.5	27.0	34
21	31.0	31.5	31.9	29.8	3.6	6.4	39.5	25.0	34
22	29.5	30.3	31.3	29.9	1.9	3.9	38.3	25.0	21
23	29.2	29.1	30.4	29.8	1.0	0.6	30.2	24.1	9
24	28.8	28.8	30.0	29.8	1.1	1.9	33.1	23.8	1
25	30.5	30.2	30.5	29.6	1.8	4.8	40.0	26.5	4
26	30.5	30.5	31.0	29.6	2.4	6.6	41.5	25.5	4
27	30.5	30.5	31.3	29.6	2.8	8.1	39.8	25.1	4
28	30.6	31.0	31.4	29.7	2.4	5.1	40.5	25.5	11
29	30.5	30.9	31.5	29.8	2.4	6.2	40.0	26.0	24
30	28.7	29.1	30.8	29.8	0.8	1.9	32.6	25.0	53
31	28.0	28.0	29.9	29.8	0.9	---	30.1	24.7	33
平均 MÉD	29.8	29.9	30.6	29.2			37.8	26.2	
全月 MÊS					78.3	152.1	42.0	23.8	489

遙距觀測站 ESTAÇÕES TELEMÉTRICAS

大炮台山

Fortaleza do Monte

紀念孫中山市政公園

Parque Municipal Dr. Sun Yat Sen

路環分站

Delegação (Coloane)

澳門教科文中心

Centro Unesco de Macau

澳門污水處理廠

E.T.A.R de Macau

嘉樂庇總督大橋

Ponte Governador Nobre de Carvalho

友誼大橋北峰

Ponte de Amizade Norte

友誼大橋南峰

Ponte de Amizade Sul

氣溫 (°C)

TEMPERATURA DO AR (°C)

AIR TEMPERATURE (°C)

	大炮台山			紀念孫中山市政公園			路環分站			澳門污水處理廠		
	Fortaleza do Monte			Parque Municipal Dr. Sun Yat Sen			Delegação de Coloane			E.T.A.R de Macau		
	最高 MÁX	平均 MÉD	最低 MÍN	最高 MÁX	平均 MÉD	最低 MÍN	最高 MÁX	平均 MÉD	最低 MÍN	最高 MÁX	平均 MÉD	最低 MÍN
1	27.5	25.9	23.9	27.8	26.3	24.8	27.5	26.2	24.6	28.3	26.8	24.8
2	30.2	27.9	25.7	31.4	28.4	25.6	31.7	28.2	25.0	30.3	28.4	26.4
3	31.0	28.6	26.9	33.1	29.5	27.1	33.0	29.5	26.9	31.3	29.2	27.5
4	32.5	29.4	27.7	34.4	30.3	27.9	33.4	30.3	28.2	31.9	29.9	28.4
5	33.0	29.6	27.1	35.0	30.3	27.3	33.8	30.4	26.9	32.1	30.1	28.5
6	32.9	29.7	27.3	34.8	30.2	27.2	34.5	30.0	26.6	32.7	30.4	28.2
7	30.9	28.8	27.2	31.6	29.2	27.2	31.3	28.6	27.1	32.2	29.8	27.9
8	29.8	27.9	25.6	31.3	28.5	26.3	30.2	28.3	25.2	30.2	28.8	26.0
9	29.5	26.9	23.5	30.5	27.4	24.0	29.4	27.3	24.3	29.6	27.7	24.5
10	31.6	29.1	27.6	33.5	30.2	28.0	32.2	29.4	27.8	31.6	29.7	28.3
11	32.1	29.2	27.4	34.0	30.3	27.8	33.7	30.1	28.0	32.2	29.9	28.5
12	32.1	29.3	27.5	34.6	30.2	27.4	33.8	29.8	27.1	32.7	30.0	28.6
13	33.1	29.9	27.7	34.9	30.7	27.8	33.1	30.1	27.5	33.7	30.6	28.7
14	33.9	30.1	27.9	35.8	31.1	28.0	33.8	30.4	27.8	33.9	30.8	29.1
15	33.9	30.3	27.8	35.4	30.6	27.8	34.5	30.8	27.1	32.8	30.7	28.9
16	32.7	30.1	27.9	34.7	30.7	27.6	34.9	30.4	26.8	32.7	30.6	29.0
17	35.1	30.8	28.0	36.6	31.4	28.0	35.2	30.9	27.7	35.2	31.4	28.9
18	36.9	32.2	28.7	37.9	32.7	28.9	37.0	32.1	29.1	38.2	33.3	30.1
19	37.9	33.5	30.6	38.8	34.1	30.9	37.6	33.1	30.7	39.0	34.6	31.8
20	36.7	32.1	29.9	38.3	32.9	30.0	36.0	31.8	29.0	37.8	33.1	31.0
21	35.0	29.8	25.2	36.5	30.3	25.8	34.2	29.8	26.2	35.0	30.8	26.8
22	28.3	26.8	24.3	28.6	27.0	24.6	28.7	27.1	25.2	29.5	27.5	25.3
23	28.6	26.6	24.8	30.1	27.2	25.7	29.3	26.8	25.3	29.4	27.2	25.6
24	30.5	28.1	25.9	31.9	28.6	25.6	32.4	28.4	24.4	30.1	28.4	26.4
25	33.1	29.5	26.9	35.3	30.1	26.9	34.2	29.7	26.2	32.5	29.8	27.6
26	32.8	29.5	27.0	34.7	30.0	26.8	33.8	29.8	26.3	32.6	30.0	27.8
27	31.3	29.0	27.5	33.1	29.7	27.7	33.5	29.8	26.9	31.4	29.6	28.4
28	32.2	29.6	27.9	33.6	30.1	28.0	33.3	29.9	28.0	32.3	30.1	28.5
29	29.2	27.6	24.9	29.8	---	25.7	30.2	28.0	25.8	29.7	28.4	25.2
30	28.5	26.5	24.6	29.4	27.0	25.5	29.4	27.0	25.0	29.0	27.5	25.4
31	28.2	27.2	25.0	28.9	27.6	25.7	28.7	27.7	25.9	28.8	28.0	25.4
平均 MÉD	32.0	29.1	26.8	33.4	29.8	27.0	32.7	29.4	26.7	32.2	29.8	27.7
全月 MÊS	37.9		23.5	38.8		24.0	37.6		24.3	39.0		24.5

相對濕度 (%)

HUMIDADE RELATIVA (%)

RELATIVE HUMIDITY (%)

	大炮台山			紀念孫中山市政公園			路環分站			澳門污水處理廠		
	Fortaleza do Monte			Parque Municipal Dr. Sun Yat Sen			Delegação de Coloane			E.T.A.R de Macau		
	最高 MÁX	平均 MÉD	最低 MÍN	最高 MÁX	平均 MÉD	最低 MÍN	最高 MÁX	平均 MÉD	最低 MÍN	最高 MÁX	平均 MÉD	最低 MÍN
1	95	91	81	96	93	90	98	93	85	100	88	76
2	94	86	73	96	88	76	99	88	73	100	87	77
3	91	83	69	95	83	66	95	83	68	97	83	73
4	89	79	63	92	79	61	91	80	67	90	79	65
5	87	76	60	90	78	58	93	79	65	83	76	66
6	87	75	55	90	78	56	93	79	61	83	73	57
7	89	80	62	92	82	66	93	85	65	86	75	60
8	94	83	70	95	86	75	98	85	75	100	81	69
9	94	85	70	97	88	71	98	89	72	100	85	67
10	91	80	68	90	81	65	92	84	73	94	80	68
11	91	79	65	92	79	63	90	80	66	87	78	66
12	86	77	60	90	78	58	93	81	64	84	76	60
13	85	75	59	88	76	58	91	79	65	82	72	58
14	85	74	53	87	75	54	88	78	62	80	72	54
15	86	72	55	90	75	54	94	75	56	83	72	55
16	83	71	56	87	74	50	89	75	58	80	71	60
17	82	69	49	86	73	49	88	75	53	78	69	48
18	81	66	44	82	68	48	84	71	50	76	62	43
19	82	59	34	82	61	37	84	67	39	77	56	33
20	85	70	45	86	72	41	89	77	54	81	66	39
21	90	75	59	91	77	57	91	79	63	85	71	57
22	94	85	73	96	89	79	96	88	72	100	87	67
23	94	85	74	94	87	76	97	88	75	100	88	74
24	88	80	72	92	83	72	95	84	69	92	81	73
25	91	76	52	95	79	52	96	81	58	96	78	56
26	89	74	49	93	77	50	95	78	54	92	73	53
27	84	75	61	87	77	61	88	76	58	84	74	62
28	86	76	64	88	79	65	89	78	62	86	76	64
29	95	86	75	95	---	79	95	88	80	100	89	76
30	96	91	83	97	94	85	99	92	84	100	93	84
31	96	90	84	97	93	88	97	91	87	100	96	85
平均 MÉD	89	78	62	91	80	63	93	81	66	90	78	63
全月 MÊS	96		34	97		37	99		39	100		33

雨量 (毫米)

PRECIPITAÇÃO (mm)

RAINFALL (mm)

大炮台山

紀念孫中山市政公園

路環分站

Fortaleza do Monte

Parque Municipal Dr. Sun Yat Sen

Delegação de Coloane

	總數	時最高	總數	時最高	總數	時最高
	TOTAL	MÁX 1h	TOTAL	MÁX 1h	TOTAL	MÁX 1h
1	18.8	14.0	14.2	10.4	8.6	3.0
2	0.0	0.0	0.0	0.0	0.2	0.2
3	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.4	0.4	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0
7	0.8	0.8	0.2	0.2	1.0	0.8
8	19.0	11.4	20.6	9.0	16.8	11.6
9	37.2	16.0	32.8	12.0	25.0	7.8
10	1.4	1.4	1.2	1.0	0.8	0.8
11	0.2	0.2	0.2	0.2	0.0	0.0
12	0.0	0.0	0.0	0.0	2.4	2.4
13	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
15	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
17	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
19	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
21	8.8	7.0	4.4	2.0	0.6	0.2
22	11.6	10.6	25.6	13.4	1.4	0.8
23	5.6	5.0	2.6	1.4	7.2	6.8
24	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
26	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
28	0.0	0.0	0.0	0.0	0.0	0.0
29	25.2	11.6	25.4	14.0	20.2	6.8
30	39.2	18.8	40.4	16.2	56.8	29.0
31	26.8	16.2	31.6	17.6	13.2	7.4
最高 MÁX	39.2	18.8	40.4	17.6	56.8	29.0
總數 TOTAL	194.6		199.6		154.2	

雨量 (毫米)

PRECIPITAÇÃO (mm)

RAINFALL (mm)

	澳門教科文中心		澳門污水處理廠	
	Centro Unesco de Macau		E.T.A.R de Macau	
	總數	時最高	總數	時最高
	TOTAL	MÁX 1h	TOTAL	MÁX 1h
1	11.0	6.4	13.0	8.4
2	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0
4	0.0	0.0	0.8	0.8
5	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0
7	0.6	0.6	0.6	0.6
8	15.6	9.0	23.4	14.2
9	33.8	11.4	39.4	12.0
10	0.8	0.4	0.8	0.6
11	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0
21	5.2	3.8	6.2	3.0
22	9.2	6.4	10.4	6.6
23	7.0	6.4	8.8	7.4
24	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0
29	26.2	10.4	25.2	13.8
30	35.2	15.6	35.8	13.8
31	29.4	17.6	34.6	21.0
最高 MÁX	35.2	17.6	39.4	21.0
總數 TOTAL	174.0		199.0	

風
VENTO
WIND

大炮台山				紀念孫中山市政公園			
Fortaleza do Monte				Parque Municipal Dr. Sun Yat Sen			
	盛行風向	平均風速 (km/h)	最高陣風 (km/h)	盛行風向	平均風速 (km/h)	最高陣風 (km/h)	
	Direcção predominante	Velocidade média	Rajada máxima	Direcção predominante	Velocidade média	Rajada máxima	
1	ESE	5.8	43.2	NE	3.8	42.5	
2	ESE	5.8	23.8	SSE	4.6	26.3	
3	E	6.6	22.7	SE	5.7	22.7	
4	SSE	6.5	23.4	SE	5.4	28.1	
5	SSE	5.9	20.5	SW	5.0	20.9	
6	S	5.6	21.6	SW	4.6	21.2	
7	NW	6.3	32.8	SW	4.2	25.2	
8	S	9.1	38.5	SSW	6.3	32.4	
9	S	6.0	36.4	SW	4.9	37.1	
10	SSE	8.0	35.6	S	6.1	24.1	
11	SSE	6.7	23.0	SW	5.4	23.4	
12	SSE	6.6	25.2	SW	5.4	23.8	
13	S	8.5	27.0	SW	6.6	23.8	
14	S	7.6	25.9	SW	6.3	23.4	
15	SSE	5.8	21.2	SE	5.1	23.0	
16	S	6.5	22.3	NE	4.7	21.2	
17	S	6.5	25.2	WSW	4.9	24.1	
18	SW	8.5	28.8	WSW	7.4	29.5	
19	WNW	11.5	39.6	SW	6.4	35.6	
20	S	9.6	35.3	SW	6.7	37.1	
21	S	6.7	59.4	SW	5.3	49.0	
22	S	5.9	32.8	SE	4.7	34.9	
23	E	4.5	22.3	SSE	3.7	21.2	
24	E	5.3	22.3	SE	4.6	24.5	
25	S	5.0	22.7	NE	4.6	20.5	
26	SSE	5.0	24.1	SW	4.3	19.4	
27	E	7.1	27.7	NE	5.7	27.0	
28	ENE	9.5	31.7	NE	7.9	36.0	
29	ENE	13.5	56.2	---	---	35.3	
30	E	10.2	46.4	NE	5.4	33.8	
31	ESE	8.2	31.3	NE	4.4	32.0	
平均		7.2			5.3		
MÉD							
最高		13.5	59.4		7.9	49.0	
MÁX							

風
VENTO
WIND

	友誼大橋北峰			友誼大橋南峰		
	Ponte de Amizade Norte			Ponte de Amizade Sul		
	盛行風向 Direcção predominante	平均風速 (km/h) Velocidade média	最高陣風 (km/h) Rajada máxima	盛行風向 Direcção predominante	平均風速 (km/h) Velocidade média	最高陣風 (km/h) Rajada máxima
1	---	---	---	ESE	15.8	58.3
2	---	---	---	SE	17.0	33.8
3	---	---	---	SE	15.8	27.7
4	---	---	---	SSE	14.4	27.7
5	---	---	---	S	10.8	29.5
6	---	---	---	SW	10.6	26.6
7	---	---	---	SW	12.0	38.5
8	---	---	---	SSW	20.0	54.7
9	---	---	---	SSW	15.6	54.0
10	---	---	---	SSE	19.2	45.0
11	---	---	---	SSE	15.4	33.5
12	---	---	---	S	12.7	38.9
13	---	---	---	SW	16.2	35.3
14	---	---	---	SW	15.5	31.0
15	---	---	---	SE	12.0	28.1
16	---	---	---	SW	9.8	20.9
17	---	---	---	SW	14.5	33.8
18	---	---	---	WSW	25.3	45.4
19	---	---	---	WSW	22.9	46.8
20	---	---	---	SW	23.5	50.0
21	---	---	---	SW	16.7	78.8
22	---	---	---	SE	16.4	49.3
23	---	---	---	SE	10.8	33.5
24	---	---	---	ESE	10.8	27.4
25	---	---	---	ESE	10.4	27.0
26	---	---	---	S	9.8	24.5
27	---	---	---	ESE	17.5	37.1
28	---	---	---	E	22.4	46.1
29	---	---	---	E	35.0	75.6
30	---	---	---	ESE	33.2	64.1
31	---	---	---	ESE	25.9	57.6
平均 MÉD		---			17.0	
最高 MÁX		---	---		35.0	78.8

風
VENTO
WIND

澳門污水處理廠

E.T.A.R de Macau

	盛行風向 Direcção predominante	平均風速 (km/h) Velocidade média	最高陣風 (km/h) Rajada máxima
1	SE	10.5	39.6
2	SE	11.7	27.4
3	SE	10.8	23.0
4	SE	10.5	25.9
5	SE	8.7	27.0
6	SE	6.4	23.4
7	SW	5.8	29.5
8	SW	8.4	40.3
9	SE	7.8	42.5
10	SSE	12.1	35.3
11	SE	10.8	30.2
12	SE	7.6	33.1
13	SW	6.6	27.7
14	SW	7.3	27.7
15	SE	10.2	27.0
16	SE	6.7	19.4
17	SW	7.4	26.3
18	SW	9.7	33.8
19	SW	7.8	35.6
20	SW	8.8	34.9
21	SW	7.6	46.4
22	SE	9.9	42.5
23	SE	8.0	25.9
24	SE	7.3	20.9
25	SE	7.2	24.1
26	SE	8.2	27.7
27	SE	12.4	29.2
28	NE	15.3	38.2
29	E	25.4	54.7
30	ESE	23.9	52.6
31	SE	19.3	49.3
平均 MÉD		10.3	
最高 MÁX		25.4	54.7