CANJE

COMMISSÃO GEOGRAPHICA E GEOLOGICA
DO
ESTADO DE SÃO PAULO

SERVIÇO METEOROLOGICO
BOLETIM N.º 21
1906

MCD 2018

MCD 2018

COMMISSÃO GEOGRAPHICA E GEOLOGICA
DO
ESTADO DE S. PAULO

SERVIÇO METEOROLOGICO

DADOS CLIMATOLOGICOS

Publicados no periodo presidencial do **Dr. Jorge Tibiriçá**

sendo Secretario da Agricultura o **Dr. Carlos J. Botelho**

BOLETIM N. 21

PRIMAVERA DE 1906.

OFERTA ESPECIAL
(GRATUITA)

MCD 2018

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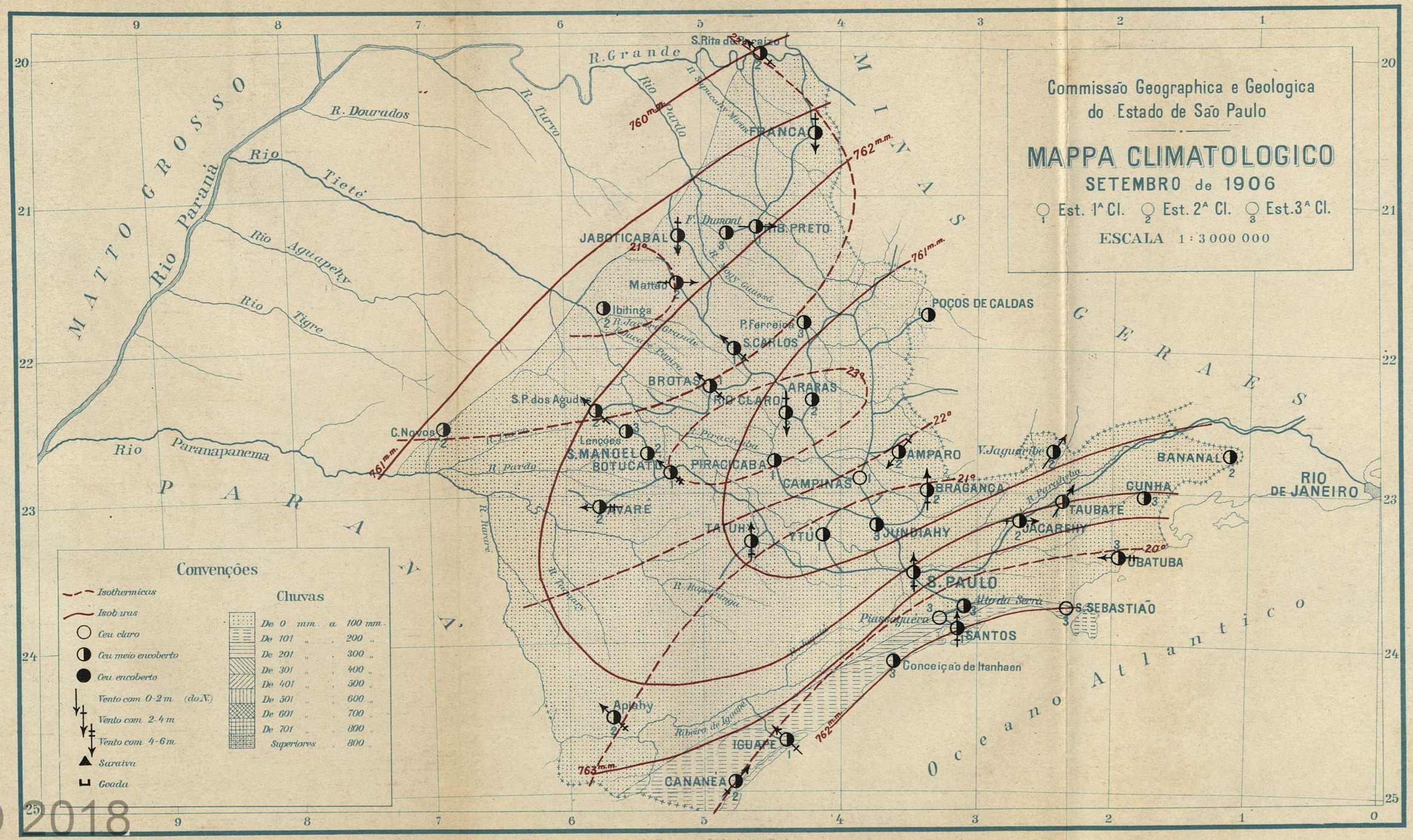
POSTO METEOROLOGICO

Instituto Agronomico de Campinas

MCD 2018

MCD 2018


Commissão Geographica e Geologica
do Estado de São Paulo
MAPPA CLIMATOLOGICO
SETEMBRO de 1906
Est. 1ª Cl. Est. 2ª Cl. Est. 3ª Cl.
ESCALA 1 : 3 000 000
Convenções
Isothermicas
Isobaras
Ceu claro
Ceu meio encoberto
Ceu encoberto
Vento com 0-2 m (do N.)
Vento com 2-4 m
Vento com 4-6 m
Saraiva
Geada
Chuvas
De 0 mm. a 100 mm.
De 101 „ „ 200 „
De 201 „ „ 300 „
De 301 „ „ 400 „
De 401 „ „ 500 „
De 501 „ „ 600 „
De 601 „ „ 700 „
De 701 „ „ 800 „
Superiores „ 800 „
MATTO GROSSO
MINAS GERAES
PARANÁ
Oceano Atlantico
Rio Paraná
Rio Tietê
Rio Aguapehy
Rio Tigre
Rio Paranapanema
R. Dourados
R. Grande
R. Turvo
Rio Pardo
R. Pardo
R. Ribeira de Iguape
760 m.m.
761 m.m.
762 m.m.
763 m.m.
20°
21°
22°
23°
S. Rita do Passaiz
FRANCA
F. Dumont
RIB. PRETO
JABOTICABAL
Mattão
Ibitinga
P. Ferreira
S. CARLOS
POÇOS DE CALDAS
BROTAS
RIO CLARO
ARARAS
S. P. dos Agudos
C. Novos
Lençóes
S. MANOEL
BOTUCATU
PIRACICABA
CAMPINAS
AMPARO
BRAGANÇA
IVARE
TATUHY
YTU
JUNDIAHY
V. Jaguaribe
BANANAL
CUNHA
TAUBATE
JACAREHY
UBATUBA
RIO DE JANEIRO
S. PAULO
Alto da Serra
S. SEBASTIÃO
Piassaguera
SANTOS
Conceição de Itanhaen
Apiahy
IGUAPE
CANANEA

MCD 2018

MCD 2018

QUADRO CLIMATOLOGICO

MEZ DE SETEMBRO DE 1906

September 1906. Monthly Results of the Meteorological Observations

ESTAÇÕES STATIONS	ALTITUDES	BAROMETRO AIR PRESSURE mm. Média Mean	Max. absoluta absolute	Min. absoluta absolute	TEMPERATURA DO AR Air temperature (GRAUS CENTIGRADOS) 7 a.m.	2 p.m.	9 p.m.	Média Mean	Média das Mean of the Max.	Min	Max. absol.	Data Dates	Min. absol.	Data Dates
	Mts.													
Ubatuba	10	—	—	—	15.8	22.7	18.8	19.0	25.2	13.2	30.0	5	10.0	18 e 21
Santos	10	762.6	768.1	756.0	17.3	21.2	19.0	19.1	22.9	16.5	33.2	5	13.0	26
Conceição de Itanhaen	10	—	—	—	—	-	—	15.5	18.8	12.1	23.0	5	8.3	26
Iguape	10	—	—	—	18.1	21.7	19.8	19.9	23.0	17.5	26.0	5	14.8	17
Cananéa	10	—	—	—	18.7	21.4	19 2	19.6	21.9	17.6	25.5	5	14.9	7
Piassaguéra	15	—	—	—	18.7	24.3	21.7	21.6	25.2	17.8	35.0	5	12.5	26
Ibitinga	450	—	—	—	12.1	28.3	18.1	19.2	30.0	10.1	35.0	10 e 11	4.0	15 e 16 (1
C. Novos do Paranapanema	487	725.3	729.0	722.2	11.0	26.1	17.8	18.2	26.1	11.0	33.0	3 e 4	3.0	16
S.ta Rita do Paraizo	550	712.0	716.8	708.4	15.6	30 4	21.5	22.3	31.9	14.9	37.0	28	7.8	24
Piracicaba	550	713.4	718.5	708.5	12.2	25.7	18.6	18.8	26.9	11.5	33.6	5	5.0	25
Ribeirão Preto	560	715.3	720.2	711.2	13.6	29.8	19.8	20.8	30.4	12.0	34.8	11	5.7	14
Mattão	560	714.2	719.8	709.2	14.4	27.7	15.4	18.2	28.1	10.6	34.0	28	4.5	24
Jacarehy	565	—	—	—	14.6	24.5	17.6	18.6	25.7	14.0	31.9	5	7.6	27
Ytú	570	—	—	—	16.0	24.7	18.4	19.4	25.2	13.3	31.4	5	6.5	24
Jaboticabal	578	713.2	719.0	709.0	13.3	28.0	17.8	19.2	28.0	13.3	35.0	28	7.0	16
Taubaté	583	—	—	—	15 7	24.6	18.3	19.2	25.3	10.0	31.2	5	10.0	25
Tatuhy	595	711.1	716.8	706.8	14.7	24.6	16.4	18.0	25.8	11.9	32.2	5	6.5	26
Luiz Miranda	600	—	—	-	—	—	—	23.1	32.2	13.9	36.0	26 e 27 (2	8.0	14 e 17 (3
S. Paulo dos Agudos	602	712.0	716.4	708.0	14.6	25.9	18.2	19.0	26.5	12.5	31.6	10	7.8	25
Araras	614	711.6	717.0	704.0	13.8	26.7	17.5	18.9	28.2	10.3	34.0	10	4.5	26
Rio Claro	614	710.3	715.2	706.0	14.0	26.0	19.7	19.9	26.3	12.7	32.0	5	6.6	25
Brotas	630	708.3	712.0	704.0	13.0	27.0	17.7	18.9	28.4	11.7	33.2	10	6.1	14
Amparo	658	705.3	710.5	701.0	13.9	26.3	17.5	18.8	27.5	12.6	31.7	10 e 11 (4	7.8	15
Campinas	665	706.0	710.3	702.2	15.1	24.9	18.8	19.4	25.4	12.2	31.0	5	6.0	25
Avaré	750	697.4	702.2	673.2	13.4	23.7	13.6	16.1	25.2	10.7	30.8	5	3.0	23
S. Paulo (Observatorio Central)	761	698.3	703.1	693.7	12.9	22.0	14.9	16.2	23.2	11.7	30.0	2	6.0	26
Horto Botanico (Cantareira)	800	696.3	700.8	691.3	11.8	21.4	14.5	15.5	22.7	11.0	29.0	4 e 5	5.3	26
Alto da Serra	800	698.3	702.8	694.5	—	—	—	15.6	19.8	11.4	28.0	5	7.0	14 e 15 (5
Botucatú	800	—	—	—	14.0	24.1	17.2	18.1	24.9	12.0	30.2	10	6.0	23
S. Paulo (Avenida Paulista)	815	693.3	698.0	688.4	12.8	20.6	14.5	15.6	22.2	10.4	29.5	4	5.5	24
Bragança	840	690.2	694.9	687.5	15.1	22.0	17.8	18.2	23.0	12.6	26.5	4 e 5 (6	7.5	26
S. Carlos do Pinhal	842	692.4	698.0	688.5	14.6	23.1	15.1	17.0	25.3	12.3	30.0	10 e 11	6.2	24
Apiahy	885	—	—	—	12.6	18.8	15.2	15.5	18.8	11.8	24.0	5	5.3	23
Franca	996	680.8	685.8	676.5	15.8	25.5	18.7	19.7	27.2	13.9	32.5	28	5.0	24
Cunha	1.000	—	—	—	—	—	—	15.5	21.5	9.4	26.1	5	5.0	25
Villa Jaguaribe	1.580	—	—	—	7.5	18.2	10.2	11.5	19.1	4.0	24.2	27	-4.0	15

ESTAÇÕES STATIONS	TENSÃO DO VAPOR (HUMIDADE ABSOL.) Elastic force of vapour 7 a.m. mm.	2 p.m. mm.	9 p.m. mm.	Média Mean mm.	Humidade relativa Degree of humidity 7 a.m. %	2 p.m. %	9 p.m. %	Média Mean %	EVAPORAÇÃO Evaporation SOMMA Total mm.	Nebulosidade Cloudiness 0 a 10 to 10 7 m. a.m.	2 t p.m.	9 n. p.m.	Média Mean	CHUVA Rainfall mm. SOMMA Total	Max. em 24 h. in mm.	Data Dates
Ubatuba	11.9	15.1	15.0	14.0	89	74	93	85	—	7.7	7.3	5.7	6.9	55.0	20.0	8
Santos	12.9	14.4	14.0	13.8	88	77	86	84	25.5	5.9	6.6	6.6	6.4	131.5	44.5	7
Conceição de Itanhaen	—	—	—	—	—	—	—	—	—	—	—	—	—	118.8	41.7	22 e 24
Iguape	12.4	11.3	12.1	11.9	80	59	70	70	29.9	8.2	7.2	7.9	7.8	116.7	29.0	21
Cananéa	—	—	—	—	—	—	—	—	29.6	5.3	5.3	5.5	5.4	180.3	27.6	6
Piassaguéra	—	—	—	—	—	—	—	—	—	—	—	—	—	139.7	38.1	7
Ibitinga	9.4	10.6	11.1	10.4	90	38	72	67	76.6	3.3	3.7	2.5	3.2	10.0	4.0	7
C. Novos do Paranapanema	—	—	—	—	—	—	—	—	35.0	3.9	4.5	3.2	3.9	31.0	13.0	21
S.ta Rita do Paraizo	10.2	10.5	11.4	10.7	77	33	60	57	78.5	2.9	3.7	1.7	2.8	27.0	22.0	22
Piracicaba	8.1	11.0	12.1	10.4	76	45	76	66	—	8.4	4.7	5.8	6.3	29.7	24.5	22
Ribeirão Preto	9.7	9.7	11.1	10.2	85	31	64	60	71.5	5.4	5.9	3.0	4.8	48.6	39.0	21
Mattão	10.0	10.2	10.4	10.2	83	37	80	67	96.8	5.9	7.4	5.9	6.4	13.0	3.0	22
Jacarehy	—	—	—	—	—	—	—	—	47.7	9.0	6.9	5.8	7.2	23.0	10.0	22
Ytú	10.8	14.3	11.5	12.2	80	62	73	72	68.1	5.6	5.1	4.9	5.2	66.0	32.5	13
Jaboticabal	10.3	11.6	11.1	11.0	91	42	73	69	—	4.4	6.9	2.1	4.5	37.0	20.0	23
Taubaté	11.6	12.3	12.1	12.0	87	53	78	73	27.2	6.9	5.7	5.5	6.0	98.6	25.0	22
Tatuhy	10.3	10.5	10.7	10.5	83	47	78	69	70.8	3.8	4.0	4.4	4.1	57.0	30.0	22
Luiz Miranda	—	—	—	—	—	—	—	—	—	—	—	—	—	5.7	4.6	22
S. Paulo dos Agudos	10.3	11.1	11.0	10.8	84	47	71	67	54.2	3.5	4.7	3.6	3.9	74.0	46.0	12
Araras	9.8	10.0	10.8	10.2	84	43	73	67	76.3	2.1	3.8	2.0	2.6	51.5	27.0	22
Rio Claro	10.7	13.5	12.5	12.2	91	55	73	73	76.5	6.1	5.1	6.1	5.8	40.0	21.0	21
Brotas	6.3	7.9	9.7	8.0	56	30	64	50	77.6	3.3	4.2	3.7	3.7	32.5	12.9	30
Amparo	10.0	9.8	10.9	10.2	85	39	73	66	114.3	3.2	4.5	2.3	3.3	87.4	32.2	12
Campinas	10.3	9.9	14.1	11.4	81	43	87	70	41.8	5.2	5.9	4.5	5.2	50.5	22.5	22
Avaré	9.4	11.0	10.0	10.4	82	55	87	75	54.5	3.4	3.5	2.2	3.0	75.0	30.5	21
S. Paulo (Observatorio Central)	10.3	10.4	10.8	10.5	91	54	86	77	57.6	7.1	4.2	6.7	6.0	91.7	37.8	22
Horto Botanico (Cantareira)	10.0	11.6	11.1	10.9	97	62	91	83	43.1	6.8	6.0	6.6	6.5	78.3	30.1	22
Alto da Serra	—	—	—	—	—	—	—	—	—	—	—	—	—	254.0	55.9	6
Botucatú	10.0	13.9	11.6	11.8	85	62	80	76	69.2	3.7	4.4	3.5	3.9	69.6	37.0	21
S. Paulo (Avenida Paulista)	9.7	9.9	10.6	10.1	89	54	87	77	41.7	7.9	5.6	7.7	7.1	92.4	38.0	22
Bragança	10.7	12.0	11.9	11.5	84	61	78	74	37.6	5.5	5.5	1.9	4.3	77.0	33.0	22
S. Carlos do Pinhal	7.5	13.2	7.9	9.5	60	63	62	62	54.5	1.5	2.9	3.5	2.6	52.0	15.0	21
Apiahy	—	—	—	—	—	—	—	—	—	6.8	6.9	6.0	6.6	72.3	25.0	6
Franca	9.2	7.3	8.5	8.4	68	30	56	51	—	2.7	3.8	1.5	2.7	30.9	27.1	22
Cunha	—	—	—	—	—	—	—	—	—	—	—	—	—	81.0	30.0	12
Villa Jaguaribe	7.3	8.3	8.7	8.4	94	54	94	81	53.4	2.3	2.8	3.6	2.9	84.7	37.5	22

ESTAÇÕES STATIONS	NUMERO DOS DIAS DE Number of days of CHUVA Rain	SARAIVA Hail	GEADA Frost	NEBLINA Fog	TROVOAD. thunderstorms	Dias - Days clar. Clear N < 2	cob. Overcast N > 8	DISTRIBUIÇÃO DOS VENTOS (PORCENTAGEM E VELOCIDADE MÉDIA) Winds: %, and mean velocities Calmas Calms	N %	N V.m.	NE %	NE V.m.	E %	E V.m.	SE %	SE V.m.	S %	S V.m.	SW %	SW V.m.	W %	W V.m.	NW %	NW V.m.
Ubatuba	5	0	0	1	4	2	14	49.0	0	—	0	—	33.4	4.0	14.3	3.8	3.3	8.0	0	—	0	—	0	—
Santos	8	0	0	2	3	4	11	10.7	4.6	1.1	3.2	1.3	5.6	2.4	10.5	2.5	21.2	2.4	13.6	1.8	10.8	1.7	19.8	1.3
Conceição de Itanhaen	6	0	0	0	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Iguape	9	0	0	3	4	0	17	39.4	0	—	3.9	1.6	2.6	1.8	20.7	2.7	7.6	2.9	14.7	4.8	0	—	11.1	2.3
Cananéa	14	0	0	0	5	7	10	28.7	0	—	1.1	2.0	6.7	2.3	7.8	2.2	8.9	2.7	36.8	2.3	1.1	2.9	8.9	2.1
Piassaguéra	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ibitinga	3	0	0	0	3	13	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
C. Novos do Paranapanema	6	0	1	1	0	9	6	7.5	24.7	3.0	11.8	2.5	14.0	2.5	4.3	2.0	25.8	2.8	4.3	2.5	2.2	4.0	5.4	7.6
S.ta Rita do Paraizo	2	0	0	1	3	17	2	47.8	2.2	3.5	2.2	3.5	5.6	3.2	12.2	2.7	5.6	1.8	7.8	3.3	5.6	3.6	11.0	3.3
Piracicaba	3	1	0	24	3	0	8	17.2	2.1	2.6	23.7	2.2	0	—	29.1	2.8	0	—	15.1	2.4	0	—	12.8	2.3
Ribeirão Preto	4	0	0	2	1	8	7	38.8	4.4	1.5	3.9	1.8	5.8	1.5	11.0	1.9	9.2	1.4	7.9	1.0	13.6	1.6	5.4	1.9
Mattão	6	0	0	5	2	3	13	35.6	3.3	2.3	2.2	1.0	10.0	1.1	13.3	1.8	0	—	8.9	2.8	22.2	1.9	4.5	2.0
Jacarehy	6	0	0	20	0	0	15	5.5	1.1	4.0	1.1	4.0	1.1	2.0	23.4	2.7	0	—	6.7	3.0	47.8	2.7	13.3	2.5
Ytú	6	0	0	0	2	9	9	20.4	3.2	4.8	6.5	2.7	0	—	37.6	2.4	8.6	3.0	5.4	1.6	5.4	1.1	12.9	2.1
Jaboticabal	4	0	0	25	3	7	4	51.2	14.5	2.4	3.3	3.0	7.8	3.6	4.4	3.3	8.9	2.6	1.1	2.0	8.8	3.8	0	—
Taubaté	9	0	0	2	2	5	11	36.6	1.0	1.9	13.5	1.3	5.8	1.3	4.4	1.0	8.9	1.3	16.6	0.7	10.8	0.9	2.4	0.8
Tatuhy	5	0	0	0	1	12	5	43.4	4.4	2.5	0	—	3.3	3.3	0	—	43.4	3.4	4.4	2.5	1.1	4.0	0	—
Luiz Miranda	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Paulo dos Agudos	4	0	0	1	2	11	5	27.8	1.1	2.0	0	—	2.2	8.0	37.8	5.2	20.0	3.6	8.9	3.6	2.2	2.0	0	—
Araras	5	0	0	13	2	13	1	22.6	10.7	1.5	7.6	1.8	3.2	1.0	28.0	1.4	12.9	1.2	4.3	1.0	7.5	1.0	3.2	3.4
Rio Claro	5	0	0	4	2	6	11	33.4	17.8	3.0	6.7	2.6	3.2	0.2	2.2	1.1	14.5	2.4	11.1	2.6	5.6	1.8	6.5	1.9
Brotas	4	1	0	1	4	15	7	43.6	5.7	2.6	2.6	2.0	5.5	1.7	23.3	3.3	6.7	1.9	5.0	1.5	4.4	2.6	3.2	2.1
Amparo	7	1	0	0	2	16	4	42.2	5.6	3.6	16.7	2.8	4.4	5.0	4.4	2.5	8.9	3.3	2.2	2.7	15.6	2.4	0	—
Campinas	5	0	0	9	3	8	8	41.2	2.2	0.6	4.4	0.5	5.6	1.8	23.3	2.4	3.3	3.1	3.3	1.0	5.6	0.8	11.1	1.3
Avaré	4	1	1	1	1	10	0	0	18.9	2.7	16.7	3.2	24.4	4.4	12.2	2.2	13.3	2.0	5.6	2.8	2.2	3.0	6.7	2.3
S. Paulo (Observatorio Central)	9	0	0	4	3	4	10	9.0	4.7	3.1	7.3	2.0	19.5	1.8	10.8	1.7	28.2	3.0	5.4	2.1	3.4	1.3	11.7	3.2
Horto Botanico (Cantareira)	7	0	0	10	2	4	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Alto da Serra	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Botucatú	5	1	0	1	2	13	9	46.7	2.2	2.5	0	—	8.9	3.0	21.2	3.0	8.9	3.0	7.8	3.0	0	—	4.3	2.3
S. Paulo (Avenida Paulista)	8	0	0	29	4	0	14	10.0	8.5	2.2	16.4	2.8	6.7	1.8	16.1	1.6	31.2	2.3	3.1	1.0	3.8	1.2	4.2	3.0
Bragança	4	0	0	0	1	7	5	13.4	2.2	2.0	0	—	7.8	2.3	20.3	3.2	30.6	2.8	8.9	2.3	8.9	2.0	7.8	2.0
S. Carlos do Pinhal	5	0	0	0	2	17	3	5.4	19.6	2.8	14.0	2.8	1.1	3.4	24.3	3.0	5.6	3.1	8.5	2.4	7.6	3.1	13.9	2.7
Apiahy	9	0	4	7	8	4	16	25.7	8.9	2.0	2.2	4.5	2.2	2.5	20.0	5.0	11.0	4.3	15.6	1.8	4.4	2.4	10.0	3.0
Franca	7	0	0	1	3	19	1	24.2	17.1	2.5	14.4	3.2	6.5	3.7	5.3	3.8	6.2	2.8	7.5	4.0	10.6	3.1	8.2	3.7
Cunha	6	0	2	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Villa Jaguaribe	5	0	7	17	3	14	3	62.2	4.4	4.2	0	—	0	—	2.2	4.0	6.7	4.0	10.0	2.8	1.1	2.0	13.4	5.1

(1) Tambem occorreu no dia 26. So also on the 26th. (2) Tambem occorreu no dia 16. So also on the 16th. (3) Tambem occorreu no dia 20. So also on the 20th (4) Tambem occorreu no dia 1. So also on the 1st. (5) Tambem occorreu nos dias 16 e 25. So also on the 16th and 25th. (6) Tambem occorreu no dia 3. So als on the 3rd.

MCD 2018

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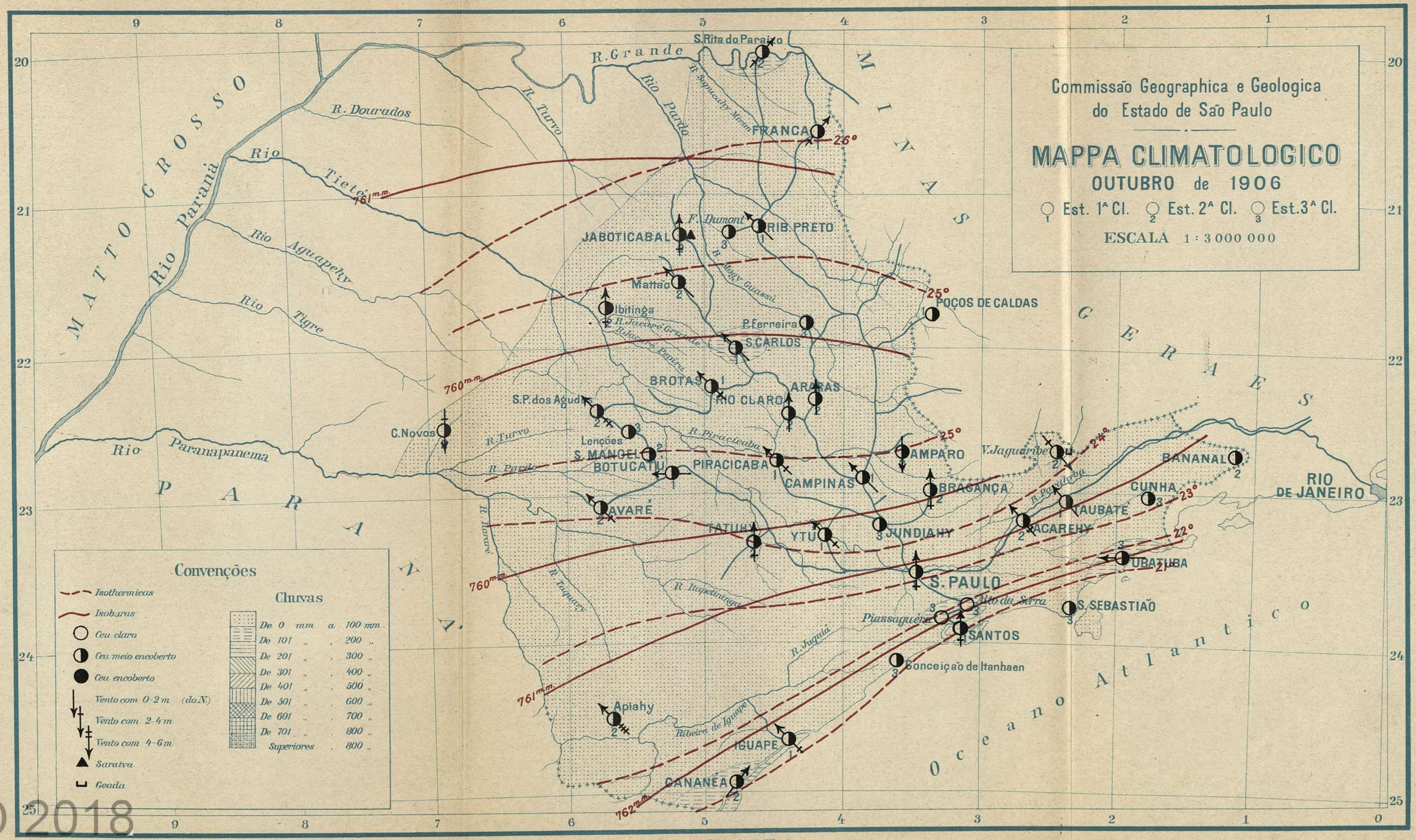

MCD 2018

Lit. Hartmann & Reichenbach - S. Paulo

MCD 2018

QUADRO CLIMATOLOGICO

MEZ DE OUTUBRO DE 1906

October 1906. Monthly Results of the Meteorological Observations

Estações / Stations	Altitudes	Barometro / Air pressure mm. Média / Mean	Max. absoluta / absolute	Min. absoluta / absolute	Temperatura do ar / Air temperature (graus centigrados) 7 a.m.	2 p.m.	9 p.m.	Média / Mean	Média das Max. / Mean of the Max	Min	Max. absol.	Data / Dates	Min. absol.	Data / Dates
	Mts.													
Ubatuba	10	—	—	—	19.8	24.3	20.5	21.3	27.0	17.7	34.0	26	15.0	10 e 14
S. Sebastião	10	762.1	766.1	758.6	—	—	—	22.8	24.1	21.5	27.0	25 (1	18.0	6 e 9
Santos	10	761.8	767.2	753.7	20.3	23.2	21.1	21.4	23.9	19.3	29.5	1	16.2	10
Conceição de Itanhaen	10	—	—	—	—	—	—	19.3	23.2	15.4	26.0	24 (2	12.0	11
Iguape	10	763.1	769.0	756.0	21.2	24.6	22.3	22.6	25.1	20.7	29.0	26	17.2	10
Cananéa	10	—	—	—	19.5	22.7	20.5	20.8	23.2	17.6	29.0	27	15.0	11 e 13 (3
Piassaguéra	15	—	—	—	22.8	28.2	25.3	25.6	28.8	22.3	34.0	25	18.3	10
Ibitinga	450	—	—	—	16.8	29.4	21.2	22.2	30.9	13.8	39.0	25	10.0	10 e 11
C. Novos do Paranapanema	487	724.5	727.3	721.1	16.0	27.2	22.1	21.8	30.1	14.3	37.5	25	7.4	22
S.ta Rita do Paraizo	550	711.3	714.8	708.8	19.7	30.0	22.5	23.4	31.5	18.6	39.2	25	14.4	10 e 23
Piracicaba	550	712.7	716.5	708.5	16.5	27.7	21.0	21.6	29.2	15.2	35.4	25	9.8	10
Ribeirão Preto	560	714.7	718.4	711.6	18.0	29.1	21.2	22.4	30.3	16.0	37.5	25	11.0	23
Mattão	560	713.3	716.0	709.6	19.2	28.8	19.2	21.6	30.2	15.5	36.0	25	9.5	11
Jacarehy	565	713.9	718.0	707.9	16.3	26.3	19.3	20.3	27.7	15.9	35.7	25	11.0	10
Ytú	570	—	—	—	19.2	26.7	20.7	21.8	26.9	15.2	33.2	25	10.5	10
Jaboticabal	578	710.7	714.0	707.0	19.1	29.5	21.0	22.6	29.5	19.0	37.0	25	14.0	10
Taubaté	583	713.2	717.5	708.4	18.5	26.2	20.3	21.3	26.8	18.0	34.4	25	13.0	29
Tatuhy	595	710.2	714.7	705.8	18.2	27.7	18.9	20.9	28.4	15.0	36.5	25	10.5	7 e 11
Luiz Miranda	600	—	—	—	—	—	—	24.8	31.9	17.6	39.0	25 (4	13.0	11 e 21
S. Paulo dos Agudos	602	710.9	715.0	707.0	18.3	27.5	21.4	22.2	28.3	16.1	35.0	25	9.4	13
Araras	614	711.1	719.0	705.0	17.3	27.9	19.8	21.2	28.4	14.0	36.5	25	7.5	12
Rio Claro	614	709.5	712.8	705.7	18.5	27.9	21.6	22.4	28.1	15.6	35.2	25	11.0	10
Brotas	630	707.8	711.3	704.0	16.9	28.4	20.3	21.5	29.9	14.7	36.0	25	10.0	15
Amparo	658	704.5	707.8	701.0	16.9	27.9	20.1	21.2	29.3	15.7	35.0	25	9.6	10
Campinas	665	705.5	709.3	700.9	18.5	26.5	20.7	21.6	26.9	14.9	34.5	25	9.8	10
Avaré	750	696.1	700.9	688.7	15.9	26.0	17.6	18.6	27.4	14.2	35.0	25	9.7	3
S. Paulo (Observatorio Central)	761	697.7	741.0	692.9	16.1	24.3	16.9	18.5	25.8	14.4	33.0	25	8.8	11
Horto Botanico (Cantareira)	800	695.6	699.7	690.5	15.7	24.2	16.8	18.4	24.9	14.4	33.0	25	8.8	11
Alto da Serra	800	—	—	—	—	—	—	18.2	22.2	14.1	32.0	25	10.0	10
Botucatú	800	—	—	—	17.0	25.9	19.2	20.3	27.1	15.7	39.4	25	12.2	10 e 12
S. Paulo (Avenida Paulista)	815	692.9	698.0	687.0	16.7	23.4	16.7	18.4	25.2	13.0	32.6	25	8.5	11
Bragança	840	690.0	693.5	686.2	18.0	24.0	19.8	20.4	24.8	15.0	30.5	25	11.0	9 e 10 (5
S. Carlos do Pinhal	842	691.8	695.0	688.8	16.2	25.8	19.2	20.1	26.7	15.1	24.0	25	10.0	9
Apiahy	885	—	—	—	15.5	21.8	17.5	18.1	21.5	15.3	38.2	25	10.8	8
Franca (26 dias)	996	680.6	685.0	677.2	17.7	24.7	19.5	20.3	27.0	16.1	23.2	25	10.5	9
Cunha	1.000	—	—	—	—	—	—	17.7	22.2	11.8	29.9	25	9.7	2
Villa Jaguaribe	1.580	—	—	—	11.2	19.2	13.0	14.1	20.2	8.0	27.0	26	-1.0	10

Estações / Stations	Tensão do vapor / Elastic force of vapour 7 a.m. mm.	2 p.m. mm.	9 p.m. mm.	Média / Mean mm.	Humidade relativa / Degree of humidity 7 a.m. %	2 p.m. %	9 p.m. %	Média / Mean %	Evaporação / Evaporation Somma / Total mm.	Nebulosidade / Cloudiness 0 a 10 7 m. a.m.	2 t p.m.	9 n. p.m.	Média / Mean
Ubatuba	15.4	17.0	16.7	16.4	90	76	93	86	—	7.2	7.5	6.8	7.2
S. Sebastião	—	—	—	—	—	—	—	—	—	5.7	5.0	6.2	5.6
Santos	14.3	16.5	15.6	15.5	81	76	81	81	34.5	7.0	6.9	7.4	7.1
Conceição de Itanhaen	—	—	—	—	—	—	—	—	—	—	—	—	—
Iguape	12.5	11.6	12.6	12.2	67	50	63	60	31.8	6.9	6.5	7.5	7.0
Cananéa	—	—	—	—	—	—	—	—	45.8	4.2	3.9	4.3	4.1
Piassaguéra	—	—	—	—	—	—	—	—	—	—	—	—	—
Ibitinga	12.6	12.8	13.7	13.0	89	42	74	68	75.6	5.1	5.7	4.8	5.2
C. Novos do Paranapanema	—	—	—	—	—	—	—	—	39.5	5.5	5.4	4.2	5.0
S.ta Rita do Paraizo	14.2	14.5	15.3	14.7	83	46	76	68	40.4	6.0	6.6	3.8	5.5
Piracicaba	11.6	14.5	13.8	13.3	83	53	75	70	—	7.7	5.7	6.9	6.8
Ribeirão Preto	12.9	13.5	14.2	13.5	84	45	76	60	51.5	7.4	7.5	4.6	6.5
Mattão	13.2	13.7	13.4	13.4	80	47	81	69	65.3	7.6	8.0	6.4	7.3
Jacarehy	—	—	—	—	—	—	—	—	57.3	8.4	7.3	5.5	7.1
Ytú	13.4	16.4	13.4	14.4	81	64	74	73	87.9	7.1	5.4	4.4	5.6
Jaboticabal	13.9	12.8	14.2	13.6	85	41	77	68	75.0	5.7	7.4	3.2	6.4
Taubaté	13.7	14.4	14.4	14.2	84	58	82	75	42.6	7.3	6.9	7.4	7.2
Tatuhy	12.8	12.3	13.1	13.1	82	44	81	69	79.4	5.1	4.7	4.6	4.8
Luiz Miranda	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Paulo dos Agudos	13.0	12.3	13.4	12.9	83	44	71	76	62.2	4.3	4.4	3.7	4.1
Araras	12.9	15.3	13.8	14.0	88	55	80	74	53.5	5.1	5.9	3.8	4.9
Rio Claro	13.7	16.6	15.1	15.1	86	60	79	75	79.2	6.2	6.5	7.8	6.8
Brotas	9.6	10.1	10.5	10.1	67	35	58	53	65.2	5.9	6.3	6.9	6.4
Amparo	12.0	12.2	13.1	12.4	84	43	75	67	126.4	4.3	5.3	3.5	4.4
Campinas	12.7	11.4	14.2	12.8	80	45	78	68	46.0	6.5	7.1	5.2	6.3
Avaré	9.8	14.0	10.7	11.5	73	57	71	67	62.6	3.2	3.5	3.0	3.2
S. Paulo (Observatorio Central)	11.8	11.5	12.3	11.9	87	53	84	75	63.2	6.6	5.5	5.9	6.0
Horto Botanico (Cantareira)	12.6	12.5	12.9	12.7	94	56	91	78	49.7	6.3	5.7	8.1	6.7
Alto da Serra	—	—	—	—	—	—	—	—	—	—	—	—	—
Botucatú	11.9	16.9	13.1	14.0	83	68	79	77	40.9	3.6	5.1	3.7	4.1
S. Paulo (Avenida Paulista)	12.1	10.4	12.2	11.6	85	48	86	73	47.0	7.5	4.7	7.4	6.5
Bragança	12.9	14.4	13.8	13.7	84	65	80	76	41.2	6.0	6.7	3.5	5.4
S. Carlos do Pinhal	8.0	15.9	10.3	11.4	59	65	62	62	52.6	3.8	4.5	4.0	4.1
Apiahy	—	—	—	—	—	—	—	—	—	8.1	7.7	7.4	7.7
Franca (26 dias)	11.8	11.7	12.6	12.1	78	51	77	69	—	4.5	7.0	3.7	5.1
Cunha	—	—	—	—	—	—	—	—	—	—	—	—	—
Villa Jaguaribe	8.9	10.0	10.4	9.8	90	60	94	81	52.3	3.8	4.7	4.1	4.0

Estações / Stations	Chuva / Rainfall mm. Somma / Total	Max. em 24 h. / in mm.	Data / Dates	Numero dos dias de / Number of days of Chuva / Rain	Saraiva / Hail	Geada / Frost	Neblina / Fog	Trovoad. / thunderstorms	Dias - Days Clar. / Clear N < 2	Cob. / Overcast N > 8
Ubatuba	171.0	85.0	31	7	0	0	0	0	2	16
S. Sebastião	40.4	14.7	29	11	0	0	0	1	7	—
Santos	57.5	22.0	29	10	0	0	0	1	1	15
Conceição de Itanhaen	47.0	16.0	17	6	0	0	0	1	—	—
Iguape	45.1	15.0	29	11	0	0	1	2	1	15
Cananéa	100.1	18.0	28	10	0	0	0	8	12	7
Piassaguéra	15.2	7.6	19 e 29	2	—	—	—	—	—	—
Ibitinga	81.0	25.0	17	9	0	0	1	6	7	11
C. Novos do Paranapanema	68.0	15.0	30	11	0	0	2	8	6	8
S.ta Rita do Paraizo	117.0	50.0	4	16	0	0	0	15	5	6
Piracicaba	70.2	22.0	17	8	0	0	25	3	2	10
Ribeirão Preto	99.0	26.4	5	11	0	0	1	6	2	11
Mattão	21.5	7.0	1	9	0	0	5	1	0	12
Jacarehy	37.0	10.0	27	7	0	0	18	0	0	13
Ytú	68.5	30.0	17	6	0	0	0	4	5	10
Jaboticabal	81.0	20.0	27	7	1	0	24	1	8	7
Taubaté	93.7	28.0	30	10	0	0	1	5	2	16
Tatuhy	52.0	14.0	29 e 30	10	0	0	0	1	9	7
Luiz Miranda	22.5	6.9	17	12	—	—	—	—	—	—
S. Paulo dos Agudos	75.5	24.0	1	6	0	0	0	3	11	5
Araras	48.0	10.5	27	13	0	0	21	1	5	4
Rio Claro	41.9	11.4	17	7	0	0	0	3	2	15
Brotas	56.9	21.8	18	10	0	0	1	1	3	8
Amparo	47.8	24.3	17	7	0	0	1	3	7	6
Campinas	73.5	25.0	17	9	0	0	0	4	1	6
Avaré	28.3	12.8	1	5	0	0	1	0	6	0
S. Paulo (Observatorio Central)	64.3	25.5	17	11	0	0	4	1	4	10
Horto Botanico (Cantareira)	32.7	9.9	18	7	0	0	5	1	2	15
Alto da Serra	137.1	50.8	5	9	—	—	—	—	—	—
Botucatú	28.0	18.0	16	2	0	0	1	2	11	6
S. Paulo (Avenida Paulista)	66.4	26.0	17	10	0	0	17	2	1	8
Bragança	58.0	41.0	17	4	0	0	0	1	5	10
S. Carlos do Pinhal	112.0	30.0	1	7	0	0	9	2	14	8
Apiahy	79.4	16.8	26	10	0	0	11	5	0	18
Franca (26 dias)	53.2	18.4	30	11	0	0	1	11	0	4
Cunha	60.0	20.0	17	7	0	0	0	0	—	—
Villa Jaguaribe	89.0	36.2	27	10	0	1	11	4	13	4

Distribuição dos ventos (porcentagem e velocidade média) / Winds: %, and mean velocities

Estações / Stations	Calmas / Calms	N %	N V.m.	NE %	NE V.m.	E %	E V.m.	SE %	SE V.m.	S %	S V.m.	SW %	SW V.m.	W %	W V.m.	NW %	NW V.m.
Ubatuba	58.0	0	—	2.2	9.0	23.6	5.5	9.7	8.9	5.4	5.6	1.1	6.0	0	—	0	—
S. Sebastião	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Santos	8.9	5.9	1.2	3.4	1.4	12.6	2.2	16.7	2.4	19.6	2.1	9.5	1.7	12.6	1.3	10.8	1.4
Conceição de Itanhaen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Iguape	20.7	1.9	1.0	9.9	2.0	6.4	3.2	35.2	2.9	4.8	3.9	8.4	4.7	0	—	12.7	2.4
Cananéa	38.7	8.6	2.1	12.8	2.4	6.5	1.9	4.3	1.8	5.4	3.0	14.0	1.9	0	—	9.7	1.9
Piassaguéra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ibitinga	50.5	7.5	2.6	0	—	0	—	9.7	2.2	10.7	3.2	9.7	2.2	9.7	2.4	2.2	4.0
C. Novos do Paranapanema	8.6	21.5	3.3	26.9	2.4	8.6	2.6	10.7	2.5	16.2	3.0	1.1	2.0	3.2	2.3	3.2	4.0
S.ta Rita do Paraizo	50.5	1.1	4.0	2.2	2.5	8.6	2.2	4.3	2.5	3.2	3.3	11.8	3.4	8.6	3.0	9.7	3.2
Piracicaba	18.3	1.1	0.6	18.8	1.7	0	—	29.0	2.0	0	—	23.7	2.2	0	—	16.1	1.7
Ribeirão Preto	40.8	3.9	1.2	2.8	1.2	9.7	1.5	12.1	1.3	7.4	1.1	5.4	1.0	9.2	1.9	8.7	1.5
Mattão	45.2	1.1	5.0	4.3	3.5	8.6	1.1	17.2	1.6	0	—	6.5	2.7	16.0	1.5	1.1	2.0
Jacarehy	5.4	3.2	4.0	6.5	2.3	10.7	3.2	45.2	2.8	11.8	3.4	14.0	3.0	3.2	4.7	0	—
Ytú	24.6	5.4	1.6	4.3	1.2	1.1	1.7	52.7	2.5	4.3	1.7	1.1	1.2	1.1	1.7	5.4	1.3
Jaboticabal	54.9	6.4	2.4	7.5	2.4	4.3	2.8	4.3	2.5	15.1	2.8	3.2	3.0	3.2	3.0	1.1	2.0
Taubaté	34.7	9.0	1.5	10.6	1.5	10.5	1.5	15.3	1.8	7.2	1.3	7.0	1.3	3.2	0.8	2.5	1.1
Tatuhy	44.1	3.2	2.6	0	—	2.1	2.0	0	—	47.4	3.0	2.1	1.5	1.1	2.0	0	—
Luiz Miranda	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Paulo dos Agudos	25.7	3.3	4.0	0	—	2.2	4.0	37.6	5.1	15.0	3.4	12.9	3.7	2.2	3.0	1.1	2.0
Araras	17.2	8.6	2.2	5.4	1.8	5.4	1.5	15.0	2.4	18.0	2.0	14.0	2.1	7.5	2.2	8.6	2.0
Rio Claro	30.3	10.7	2.6	3.2	2.2	4.3	0.3	0	—	16.1	4.4	14.0	2.5	12.8	2.8	8.6	1.9
Brotas	21.0	3.5	2.3	2.4	1.2	8.2	1.8	34.1	3.1	9.3	2.4	4.4	1.3	9.5	2.3	7.6	2.2
Amparo	42.0	16.1	2.8	8.6	3.4	1.1	4.0	4.3	4.0	3.2	4.7	3.2	3.3	14.0	2.9	7.5	2.9
Campinas	37.8	5.5	—	2.2	—	15.6	—	16.7	—	3.3	—	7.8	—	3.3	—	7.8	—
Avaré	3.2	17.2	2.2	18.3	2.8	12.9	2.9	20.4	2.4	16.1	2.2	2.2	2.0	0	—	9.7	2.6
S. Paulo (Observatorio Central)	3.6	4.2	1.9	8.4	1.7	18.2	2.3	21.3	2.4	25.9	2.5	4.3	1.9	4.6	2.8	10.4	3.4
Horto Botanico (Cantareira)	3.3	6.4	2.1	2.2	2.5	8.6	2.0	6.4	1.0	3.3	1.7	7.5	2.3	35.5	1.2	26.8	2.4
Alto da Serra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Botucatú	42.0	6.5	2.7	7.5	2.1	20.4	2.4	2.1	3.0	2.1	3.0	5.4	2.8	6.5	2.3	7.5	2.6
S. Paulo (Avenida Paulista)	10.5	7.1	2.1	13.1	2.7	10.1	1.6	30.1	2.3	17.2	2.7	2.6	2.1	3.0	1.3	6.3	3.1
Bragança	12.9	0	—	0	—	4.3	2.0	14.0	2.9	40.8	3.5	11.8	2.5	12.9	2.2	3.3	2.0
S. Carlos do Pinhal	21.5	10.6	2.2	8.7	2.7	3.5	2.2	25.6	2.2	2.1	2.2	4.0	2.1	13.4	1.6	10.6	1.4
Apiahy	31.2	7.5	5.1	4.3	4.5	8.6	5.8	26.9	7.8	7.5	5.1	7.5	5.4	0	—	6.5	10.0
Franca (26 dias)	16.8	14.4	3.2	19.9	3.2	14.4	2.4	5.3	2.6	1.3	3.4	3.7	2.8	17.6	3.4	6.6	3.0
Cunha	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Villa Jaguaribe	66.7	4.3	3.5	2.2	4.0	0	—	3.2	3.3	4.3	3.0	4.3	2.5	3.2	3.3	11.8	4.2

(1) Tambem occorreu nos dias 23, 24, 26, 27 e 31 — So also on the 23 d, 24 th, 26 th, 27 th and 31 st.

(2) Tambem occorreu nos dias 22 e 26. — So also on the 22 d and 26 th.

(3) Tambem occorreu no dia 30. — So also on the 30 th.

(4) Tambem occorreu nos dias 23 e 26. — So also on the 23 d. and 26 th.

(5) Tambem occorreu no dia 6. — So also on the 6 th.

MCD 2018

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Commissão Geographica e Geologica
do Estado de São Paulo

MAPPA CLIMATOLOGICO

NOVEMBRO de 1906

Est. 1ª Cl. Est. 2ª Cl. Est. 3ª Cl.

ESCALA 1 : 3 000 000

MATTO GROSSO
MINAS GERAES
PARANÁ
Oceano Atlantico

Rio Paraná
Rio Tietê
Rio Aguapehy
Rio Tigre
Rio Paranapanema
R. Dourados
R. Grande
R. Turvo
Rio Pardo
R. Sapucahy Mirim
R. Mogy Guassu
R. Jacaré Grande
R. Jacaré Pepira
R. Piracicaba
R. Paraitinga
R. Jaguaribe
R. Paraíba
R. Itapetininga
R. Itapacuri
R. Ribeira de Iguape
R. Juquiá
Piassaguera
Alto da Serra
V. Jaguaribe

S. Rita do Paraiso
FRANCA
F. Dumont
RIB. PRETO
JABOTICABAL
Matão
Ibitinga
POÇOS DE CALDAS
S. CARLOS
BROTAS
RIO CLARO
ARARAS
S.P. dos Agudos
C. Novos
Lençóes
S. MANOEL
BOTUCATU
PIRACICABA
CAMPINAS
AMPARO
BRAGANÇA
JUNDIAHY
TATUHY
YTU
AVARÉ
Apiahy
IGUAPE
CANANÉA
S. PAULO
SANTOS
S. SEBASTIÃO
UBATUBA
CUNHA
TAUBATÉ
JACAREHY
BANANAL
RIO DE JANEIRO
Conceição de Itanhaen

759 m.m.
758 m.m.
759 m.m.
760 m.m.
761 m.m.
27°
26°
25°
24°
23°
22°
21°

Convenções

Isothermicas
Isobaras
Ceu claro
Ceu meio encoberto
Ceu encoberto
Vento com 0-2 m (do N.)
Vento com 2-4 m
Vento com 4-6 m
Saraiva
Geada

Chuvas

De 0 mm. a 100 mm.
De 101 „ „ 200 „
De 201 „ „ 300 „
De 301 „ „ 400 „
De 401 „ „ 500 „
De 501 „ „ 600 „
De 601 „ „ 700 „
De 701 „ „ 800 „
Superiores „ 800 „

Lit. Hartmann & Reichenbach - S. Paulo

MCD 2018

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QUADRO CLIMATOLOGICO

MEZ DE NOVEMBRO DE 1906

November 1906. Monthly Results of the Meteorological Observations

ESTAÇÕES STATIONS	ALTITUDES	BAROMETRO AIR PRESSURE mm.			TEMPERATURA DO AR Air temperature (GRAUS CENTIGRADOS)										TENSÃO DO VAPOR Elastic force of vapour				Humidade relativa Degree of humidity				EVAPORAÇÃO Evaporation	Nebulosidade Cloudiness 0 a 10				CHUVA Rainfall mm.			NUMERO DOS DIAS DE Number of days of						
		Média Mean	Max. absoluta absolute	Min. absoluta absolute	7 a. m.	2 p. m.	9 p. m.	Média Mean	Média das Mean of the Max.	Média das Mean of the Min.	Max. absol.	Data Date	Min. absol.	Data Date	7 a. m. mm.	2 p. m. mm.	9 p. m. mm.	Média Mean mm.	7 a. m. %	2 p. m. %	9 p. m. %	Média Mean %	SOMMA Total mm.	7 a. m.	2 p. m.	9 p. m.	Média Mean	SOMMA Total	Max. em 24 h. mm.	Data Date	CHUVA Rain	SARAIVA Hail	GEADA Frost	NEBLINA Fog	TROVOAD. thunderstorms	Dias - Days Clar. Clear N < 2	Cob. Over-cast N > 8
Ubatuba	Mts. 10	—	—	—	20.6	25.2	20.6	21.8	27.7	18.1	31.5	2	14.0	29	16.5	17.4	17.2	17.1	92	74	96	87	—	7.7	8.1	6.9	7.6	206.0	40.0	22	7	0	0	0	0	1	16
S. Sebastião	10	760.8	766.1	755.8	—	—	—	23.7	25.5	21.8	29.0	7 e 10	18.5	29		—	—	—	—	—	—	—	—	5.9	4.8	6.9	5.9	93.1	23.4	16	12	0	0	0	2	1	8
Santos	10	761.2	766.6	752.8	21.1	23.7	22.0	22.2	24.7	19.8	31.0	9	17.0	13	14.7	16.3	15.8	15.6	79	75	80	78	32.6	6.7	7.5	8.0	7.4	275.0	80.0	16	15	0	0	0	4	1	16
Conceição de Itanhaen	10	—	—	—	—	—	—	20.4	24.7	16.1	28.0	23	12.0	13	—	—	—	—	—	—	—	—	—	—	—	—	—	204.0	60.0	17	8	0	0	0	3	—	—
Iguape	10	761.3	767.8	753.0	21.7	25.4	22.6	23.1	25.8	20.6	29.6	9	17.0	30	13.4	12.6	13.3	13.1	70	52	66	63	31.3	7.3	6.5	7.8	7.2	81.7	20.0	9	11	0	0	3	4	0	13
Cananéa	10	—	—	—	20.9	24.2	22.8	22.7	24.9	20.0	28.2	27	15.3	1	—	—	—	—	—	—	—	—	68.5	4.3	4.3	4.5	4.4	51.3	15.5	19	5	0	0	0	2	8	5
Piassaguéra	15	—	—	—	23.3	27.7	25.2	25.4	28.6	22.5	34.8	9	18.5	13	—	—	—	—	—	—	—	—	—	—	—	—	—	182.8	30.5	15 e 16	9	—	—	—	—	—	—
Ibitinga	450	—	—	—	19.0	29.1	21.8	22.9	30.9	17.7	35.0	1 e 4 (1)	12.0	13 e 29	13.4	15.8	15.8	15.0	88	53	81	74	62.2	5.1	5.7	3.7	4.8	136.0	36.0	22	13	1	0	2	7	6	4
C. Novos do Paranapanema	487	722.7	727.0	719.0	18.3	28.2	22.8	23.0	28.2	18.3	34.2	5	10.0	29	—	—	—	—	—	—	—	—	31.8	4.7	5.4	4.6	4.9	85.0	25.0	17	9	0	0	0	5	7	9
S.ta Rita do Paraizo	550	709.3	712.5	704.4	22.1	30 0	23.3	24.7	31.2	19.9	36.0	1	14.6	13	16.8	17.9	17.4	17.4	85	57	82	75	28.1	6.4	6.6	6.1	6.4	145.0	25.5	1	18	0	0	3	20	2	9
Piracicaba	550	711.0	715.5	705.5	18.8	28.0	20.8	22.1	29.5	16.4	33.8	4	10.4	29	12.7	13.5	13.6	13.3	79	48	75	67		4.5	5.4	6.6	5.5	125.7	91.0	9	11	0	0	22	6	0	3
Ribeirão Preto	560	712.5	716.2	707.1	20.4	29.3	22.4	23.6	30.2	17.4	34.6	1	11.3	15	15.2	16.3	16.1	15.9	85	54	80	73	44.7	6.0	6.8	5.8	6.2	155.3	41.3	1	16	0	0	1	9	3	10
Mattão	560	711.1	715.4	706.0	21.9	29.8	20.9	23.4	31.1	17.7	35.5	15	12.0	13	15.6	18.4	15.5	16.5	80	59	85	75	50.0	6.6	7.5	4.5	6.2	83.5	25.0	19	8	0	0	2	0	3	9
Jacarehy	565	711.4	716.1	706.0	18.1	26.4	19.7	21.0	28.0	16.8	33.3	15	9.6	29	—	—	—	—	—	—	—	—	53.6	8.7	7.2	5.8	7.2	47.0	15.0	2	6	0	0	9	0	0	12
Ytú	570	—	—	—	20.3	27.0	20.9	22.3	27.5	15.8	32.0	9	11.2	28	14.3	17.5	13.4	15.1	81	66	74	74	83.9	5.2	5.5	4.6	5.1	129.4	34.4	1	13	0	0	0	8	9	7
Jaboticabal	578	708.6	712.8	703.0	20.7	29.8	22.8	24.0	29.8	20.7	34.0	4 e 15	16.0	12	15.5	17.4	16.0	16.3	85	56	78	73	67.7	5.6	9.5	4.7	6.6	127.0	38.0	2	10	0	0	22	0	1	8
Taubaté	583	711.1	716.0	705.8	19.2	26.5	20.1	21.5	27.6	18.0	32.0	6	12.5	29	14.8	16.0	14.7	15.2	89	63	84	79	56.1	6.7	6.9	7.5	7.0	73.2	19.0	11	14	0	0	0	8	3	16
Tatuhy	595	708.6	713.7	702.9	19.4	27.6	18.8	21.2	28.9	15.6	34.0	9	10.5	13	13.6	14.3	13.3	13.7	81	52	83	72	75.8	5.1	5.2	4.7	5.0	93.0	24.0	9	8	0	0	0	2	7	4
Luiz Miranda	600	—	—	—	—	—	—	26.2	33.2	19.2	39.0	29	16.0	13	—	—	—	—	—	—	—	—	—	—	—	—	—	54.2	33.8	1	10	—	—	—	—	—	—
S. Paulo dos Agudos	602	709.2	715.0	704.0	20.3	27.6	22.0	23.0	29.0	17.1	35.0	1	12.0	13	13.6	16.0	15.2	14.9	77	58	77	71	54.0	3.7	5.1	3.6	4.1	186.3	68.0	9	10	1	0	0	3	13	5
Araras	614	709.3	715.0	703.0	19.0	27.6	21.2	22.3	28.3	15.6	32.0	30	10.5	13	14.1	15.7	14.2	14.7	87	57	76	73	46.1	5.6	6.4	3.7	5.2	166.5	51.0	10	15	0	0	18	8	3	4
Rio Claro	614	707.7	712.2	701.8	20.1	27.6	21.7	22.8	27.7	16.9	32.0	6 e 27	11.6	29	15.0	18.9	16.0	16.6	86	69	83	79	66.9	6.0	6.6	5.9	6.2	97.4	36.0	9	12	0	0	0	3	4	8
Brotas	630	705.9	710.0	701.0	19.4	28.5	20.6	22.3	30.1	16.4	33.7	30	10.3	13	10.6	12.0	11.5	11.4	63	42	64	56	63.3	4.6	7.0	5.0	5.5	102.8	18.0	21	10	0	0	1	4	7	10
Amparo	658	702.7	707.1	697.7	18.5	27.5	20.5	21.8	29.4	16.9	35.0	4	12.5	29	13.2	13.8	13.8	13.6	83	51	77	70	108.5	4.2	6.2	4.5	5.0	140.9	36.0	17	13	1	0	0	8	4	6
Campinas	665	703.5	708.0	697.7	19.3	26.4	19.2	21.0	27.1	15.7	32.5	1	11.4	29	13.6	14.0	14.0	13.9	82	55	85	74	33.9	6.1	7.9	3.7	5.7	155.5	31.5	10	13	1	0	1	7	3	8
Avaré	750	694.3	698.7	689.6	18.5	27.3	18.9	20.9	28.3	15.6	32.4	3	10.3	30	11.7	14.4	13.6	13.2	74	54	84	71	63.8	3.5	4.1	3.4	3.7	51.3	24.2	22	12	0	0	1	0	0	0
S. Paulo (Observatorio Central)	761	695.9	700.1	690.7	17.0	24.3	17.2	18.9	25.7	15.1	33.0	9	8.5	29	12.6	12.5	13.0	12.7	87	62	88	79	54.1	7.1	5.6	7.3	6.7	149.5	36.8	1	14	0	0	3	3	2	12
Horto Botanico (Cantareira)	800	694.0	699.0	688.7	16.7	24.4	17.1	18.8	25.1	15.1	31.5	9	9.5	29	13.7	14.0	13.5	13.7	97	62	93	84	43.9	7.1	6.1	7.5	6.9	162.7	54.5	1	10	0	0	2	3	3	15
Alto da Serra	800	—	—	—	—	—	—	17.9	22.1	13.7	29.0	1	10.0	12 e 13 (3)	—	—	—	—	—	—	—	—	—	—	—	—	—	561.0	111.8	9	17	—	—	—	—	—	—
Botucatú	800	—	—	—	17.9	26.1	19.3	20.6	27.1	15.3	32.2	15	10.0	30	12.8	16.6	14.4	14.6	84	66	87	79	51.9	3.6	4.0	2.9	3.5	90.0	50.0	1	9	0	0	0	1	17	6
S. Paulo (Avenida Paulista)	815	690.8	696.0	684.5	17.5	23.4	17.4	18.9	25.1	14.2	31.5	9	8.4	29	12.8	14.0	12.8	13.2	86	65	87	79	40.4	7.8	5.3	6.9	6.6	149.7	37.0	1	13	0	0	19	4	1	18
Bragança	840	688.4	692.8	683.7	19.1	24.2	19.9	20.8	25.2	15.4	31.0	1	10.5	29	13.9	15.7	14.2	14.6	85	70	82	79	33.4	6.3	7.5	4.4	6.1	160.0	48.0	1	11	0	0	0	7	2	9
S. Carlos do Pinhal	842	689.8	694.0	684.5	17.2	25.3	19.3	20.3	26.3	16.0	30.2	6	10.0	13	10.5	17.3	12.3	13.4	72	72	74	73	37.8	4.4	5.9	4.5	4.9	248.0	40.0	21	11	0	0	0	1	13	12
Apiahy	885	—	—	—	16.4	22.5	17.8	18.6	22.6	16.2	27.5	30	12.8	25 e 28	—	—	—	—	—	—	—	—	—	8.4	7.3	7.5	7.7	180.6	61.9	15	12	0	0	16	7	1	16
Franca	996	678.5	681.8	673.0	18.6	27.3	19.8	21.4	26.4	16.3	30.0	30	12.0	13	14.5	12.4	14.3	13.7	91	45	83	73	—	5.0	7.7	4.6	5.8	129.7	31.9	23	21	0	0	4	18	4	9
Cunha	1.000	—	—	—	—	—	—	18.0	23.5	12.6	27.9	1	7.9	29	—	—	—	—	—	—	—	—	—	—	—	—	—	63.5	16.5	10	10	—	—	—	—	—	—
Villa Jaguaribe	1.580	—	—	—	13.4	19.7	14.3	15.4	21.1	10.7	24.0	1 e 2 (3)	3.0	29	10.4	10.0	11.2	10.5	91	64	93	83	44.0	5.1	3.9	3.5	4.2	196.1	24.2	10	15	0	0	10	6	10	4

DISTRIBUIÇÃO DOS VENTOS (PORCENTAGEM E VELOCIDADE MÉDIA) Winds: %, and mean velocities

ESTAÇÕES STATIONS	Calmas Calms	N %	N V.m.	NE %	NE V.m.	E %	E V.m.	SE %	SE V.m.	S %	S V.m.	SW %	SW V.m.	W %	W V.m.	NW %	NW V.m.
Ubatuba	61.2	0	—	5.5	1.1	18.9	6.1	11.1	6.8	3.3	4.0	0	—	0	—	0	—
S. Sebastião	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Santos	6.8	7.4	1.6	7.1	1.2	17.5	2.7	16.1	2.9	18.8	3.5	7.4	2.9	8.9	1.0	10.0	1.4
Conceição de Itanhaen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Iguape	25.4	0	—	12.1	2.8	9.0	2.6	27.0	3.4	7.8	5.3	10.1	5.6	0	—	8.6	2.4
Cananéa	51.2	5.5	2.5	11.0	3.1	8.9	2.2	6.7	1.8	3.3	4.0	6.7	2.3	0	—	6.7	2.0
Piassaguéra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ibitinga	60.2	5.4	2.2	1.1	4.0	3.3	2.0	13.3	2.5	4.5	2.0	6.7	2.7	3.3	2.0	2.2	2.0
C. Novos do Paranapanema	3.3	26.7	1.9	25.6	2.1	32.2	2.1	5.6	3.1	3.3	2.0	1.1	2.0	1.1	2.0	1.1	4.0
S.ta Rita do Paraizo	44.5	4.5	2.0	14.4	3.4	12.2	2.1	6.7	2.1	1.1	3.0	6.7	2.5	2.2	2.5	7.7	3.0
Piracicaba	20.0	0	—	13.3	1.6	0	—	39.0	6.0	0	—	15.5	2.0	0	—	12.2	1.8
Ribeirão Preto	34.8	7.6	1.5	3.2	1.0	7.6	1.1	14.7	1.7	10.7	1.5	4.3	1.0	7.4	1.2	9.7	1.7
Mattão	43.3	6.7	1.3	2.2	2.0	11.1	1.4	17.8	1.8	0	—	3.3	1.7	8.9	1.1	6.7	1.5
Jacarehy	0	1.1	4.0	12.2	3.5	6.9	2.3	58.8	3.1	3.3	4.0	12.2	3.6	4.4	3.5	1.1	2.0
Ytú	7.0	4.4	3.3	8.5	2.4	2.2	1.6	31.1	4.5	35.4	4.4	2.1	3.2	3.3	2.8	6.0	2.8
Jaboticabal	51.6	13.2	2.3	6.6	3.0	9.9	2.2	3.3	2.8	11.0	2.9	2.2	2.5	0	—	2.2	2.0
Taubaté	32.4	9.7	1.5	12.9	1.1	6.4	1.1	22.6	1.5	6.2	1.2	7.2	1.1	1.4	0.8	1.2	0.7
Tatuhy	37.8	3.3	4.7	0	—	3.3	2.7	0	—	54.5	3.6	1.1	4.0	0	—	0	—
Luiz Miranda	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Paulo dos Agudos	16.7	8.9	4.8	0	—	13.3	5.0	40.0	5.0	12.2	4.9	6.7	3.0	2.2	4.0	0	—
Araras	4.4	7.8	2.4	2.2	2.5	8.9	0.8	17.8	2.3	32.3	2.0	10.0	2.2	12.2	1.7	4.4	1.1
Rio Claro	26.7	12.2	3.0	2.2	2.1	4.4	1.0	6.7	4.5	22.2	3.5	7.8	3.0	8.9	1.3	8.9	1.0
Brotas	9.8	6.9	2.2	5.3	1.5	8.2	1.9	46.3	3.6	7.2	2.0	3.9	2.1	7.2	2.3	5.2	2.7
Amparo	34.5	6.7	3.0	10.0	2.9	3.3	5.3	12.2	4.5	6.7	3.7	4.4	3.5	11.1	4.0	11.1	2.6
Campinas	18.9	5.6	—	3.3	—	16.7	—	31.1	—	4.4	—	12.1	—	1.1	—	6.7	—
Avaré	0	33.5	3.3	20.0	3.0	6.7	3.2	11.1	3.0	13.3	2.8	3.3	2.8	3.3	2.8	7.8	2.2
S. Paulo (Observatorio Central)	2.9	4.6	2.1	4.7	1.8	12.5	2.9	22.0	2.2	37.3	3.3	3.9	3.8	1.7	1.7	10.4	3.4
Horto Botanico (Cantareira)	6.7	3.3	2.6	3.3	2.0	17.8	2.5	16.6	3.7	1.1	2.0	5.5	2.2	22.2	1.8	23.5	3.2
Alto da Serra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Botucatú	37.8	6.7	2.0	8.9	2.3	16.6	2.6	4.4	3.0	8.9	2.4	5.6	2.8	6.7	2.0	4.4	2.5
S. Paulo (Avenida Paulista)	11.7	3.9	2.2	11.1	2.6	6.2	1.8	22.3	1.6	38.6	3.1	1.0	1.2	1.9	3.0	3.3	3.4
Bragança	8.8	0	—	0	—	3.3	3.3	16.7	2.9	52.0	3.1	4.4	2.0	11.3	2.0	3.3	2.0
S. Carlos do Pinhal	14.0	5.6	1.8	6.3	1.4	16.0	1.9	12.2	2.3	6.0	1.6	12.2	2.6	19.8	1.9	7.9	1.1
Apiahy	30.2	1.1	8.0	3.3	3.4	6.6	5.0	33.3	8.2	12.2	7.2	6.7	4.3	4.4	5.2	2.2	7.0
Franca	13.0	22.1	2.8	13.5	2.5	11.0	3.2	7.2	2.9	8.5	3.1	6.7	3.0	5.8	3.6	12.2	3.4
Cunha	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Villa Jaguaribe	51.2	5.6	3.2	3.3	2.0	0	—	11.0	2.6	15.6	3.4	3.3	8.0	1.1	2.0	8.9	3.5

(1) Tambem occorreu no dia 15. (2) Tambem occorreu no dia 29. (3) Tambem occorreu nos dias 3, 4, 6 e 27.

So also on the th. So also on the 29 th. So also on the 3 d, 4 th, 6 th, and 27 th.

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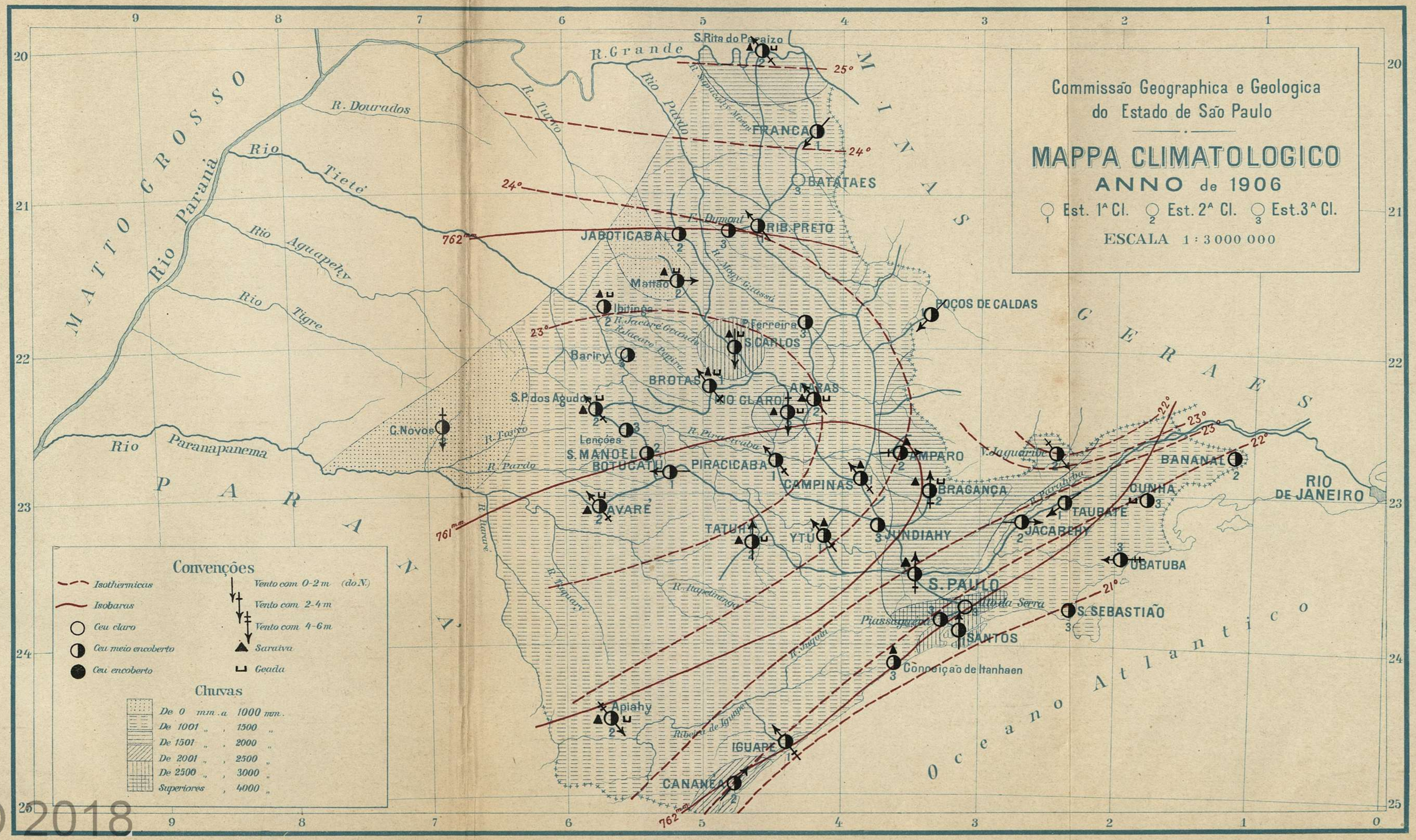

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QUADRO CLIMATOLOGICO

DO ANNO DE 1906

Year of 1906. Monthly Results of the Meteorological Observations

ESTAÇÕES / STATIONS	ALTITUDES	BAROMETRO AIR PRESSURE mm.			TEMPERATURA DO AR Air temperature (GRAUS CENTIGRADOS)										TENSÃO DO VAPOR Elastic force of vapour				Humidade relativa Degree of humidity				EVAPORAÇÃO Evaporation	Nebulosidade Cloudiness 0 a 10				CHUVA Rainfall mm.				NUMERO DOS DIAS DE Number of days of					DISTRIBUIÇÃO DOS VENTOS (PORCENTAGEM E VELOCIDADE MÉDIA) Winds: %, and mean velocities															
		Média Mean	Max. absoluta absolute	Min. absoluta absolute	7 a. m.	2 p. m.	9 p. m.	Média Mean	Média das Mean of the Max.	Média das Mean of the Min	Max. absol.	Data Date	Min. absol.	Data Date	7 a. m. mm.	2 p. m. mm.	9 p. m. mm.	Média Mean mm.	7 a. m. %	2 p. m. %	9 p. m. %	Média % Mean	SOMMA Total mm.	7 a. m.	2 p. m.	9 p. m.	Média Mean	SOMMA Total	Max. em 24 h. mm.	Data Date	CHUVA Rain	SARAIVA Hail	GEADA Frost	NEBLINA Fog	TROVOAD. thunderstorms	Dias - Days Clar. Clear N < 2	Dias - Days Cob. Overcast N > 8	Calmas Calms	N %	N V.m.	NE %	NE V.m.	E %	E V.m.	SE %	SE V.m.	S %	S V.m.	SW %	SW V.m.	W %	W V.m.	NW %	NW V.m.
	Mts.																																																						
Ubatuba	10	—	—	—	18.2	25.0	19.8	20.7	26.9	16.5	34.5	13-I	7.0	31-VIII	14.5	17.5	16.0	16.0	92	74	93	86	—	7.9	7.1	6.5	7.2	1313.7	195.0	11-III	80	0	0	30	26	22	182	58.4	0	—	2.0	5.8	24.6	5.1	8.6	5.4	3.6	4.8	1.9	6.0	0.6	5.8	0.3	6.5
Santos	10	762.8	774.1	752.1	20.3	24.1	21.6	21.9	25.6	19.1	35.5	13-I	12.4	31-VIII	14.7	16.4	15.9	15.7	83	74	83	80	365.7	6.3	6.6	6.8	6.5	2518.1	129.0	14-I	160	0	0	14	23	55	160	18.1	6.2	1.3	5.4	1.4	11.3	2.2	12.8	3.8	6.4	2.4	8.4	2.3	9.6	1.4	11.8	1.5
Conceição de Itanhaen	10	—	—	—	—	—	—	18.9	22.7	15.1	32.0	13-I	7.0	30-VIII (1) 1-IX	—	—	—	—	—	—	—	—	—	—	—	—	—	1298.6	60.0	17-XII	74	1	0	0	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Iguape	10	763.7	777.6	753.0	19.0	22.8	20.5	20.7	23.5	18.5	29.6	14-IV 9-XII	13.2	7-IX	12.7	11.5	12.4	12.2	78	56	69	68	352.7	7.1	6.5	7.4	7.0	1045.6	95.0	15-III	116	0	0	41	42	10	152	24.4	1.7	1.7	12.0	2.3	4.1	3.6	28.4	3.9	3.8	3.5	7.6	3.9	0.5	1.5	17.5	2.8
Cananéa	10	—	—	—	20.2	23.5	21.3	21.6	24.2	18.8	33.0	14-IV	9.9	29-V	—	—	—	—	—	—	—	—	508.2	4.1	4.5	4.9	4.5	2327.4	405.0	27-III	105	0	0	35	56	98	93	3[illegible].7	3.5	2.2	6.0	2.6	8.0	2.1	6.7	2.0	4.9	3.2	23.7	2.3	3.8	2.3	5.7	2.2
Piassaguéra	15	—	—	—	—	—	—	24.3	28.4	20.9	38.8	13-I	11.0	30-VIII	—	—	—	—	—	—	—	—	—	—	—	—	—	2526.8	119.4	24-I	92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ibitinga	450	—	—	—	15.8	27.9	19.7	20.7	29.5	11.9	39.0	25-XI	1.0	30-VIII 1-IX	12.4	14.7	14.3	13.8	91	53	82	75	643.8	4.8	5.2	3.6	4.5	1261.0	51.0	9-IV	111	1	1	29	80	100	72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
C. Novos do Paranapanema	487	723.7	733.2	716.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	401.0	6.3	5.4	5.0	5.5	970.0	49.0	28-I	95	1	2	76	46	62	114	8.0	23.6	2.9	13.0	2.7	8.3	2.5	18.8	2.4	22.1	2.5	2.3	2.5	0.8	3.3	3.1	4.0
S.ta Rita do Paraizo	550	—	—	—	18.0	28.7	21.3	22.3	30.3	17.1	39.2	25-XI	4.0	29-V	—	—	—	—	—	—	—	—	564.0	5.1	5.3	4.1	4.8	1898.5	98.0	2-I	142	3	1	25	134	91	96	4[illegible].6	2.8	2.8	7.5	2.9	11.0	2.5	12.5	2.5	5.4	2.3	3.1	3.3	3.6	3.0	5.5	3.0
Ribeirão Preto	560	715.4	724.2	707.1	16.2	28.3	20.0	21.1	28.9	14.7	37.5	25-XI	2.6	29-V 30-V	12.7	14.1	14.4	13.8	90	50	81	74	529.6	5.9	6.4	4.2	5.5	1398.1	81.0	16-III	141	0	0	18	60	69	108	42.0	6.8	1.4	5.0	1.4	10.2	1.5	12.1	1.5	7.7	1.3	2.7	1.2	5.7	1.4	7.8	1.7
Mattão	560	714.0	723.5	707.2	16.8	27.0	17.7	19.8	28.3	14.0	38.5	10-I	3.5	29-V (5) 29-VIII	13.0	14.7	13.6	13.8	88	55	89	77	881.4	5.8	6.6	4.6	5.7	1456.4	84.0	9-IV	123	1	0	57	23	50	102	45.8	4.5	2.2	2.7	2.0	9.3	1.6	9.8	1.6	1.8	1.5	4.9	1.9	14.8	1.5	6.4	1.9
Jacarehy	565	—	—	—	16.9	26.3	19.5	20.5	27.6	16.3	37.4	10-I	6.1	31-VIII	—	—	—	—	—	—	—	—	525.7	8.7	6.6	5.3	7.0	605 7	17.0	1-III	110	2	8	194	19	5	154	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ytú	570	712.1	722.1	703.2	18.3	25.3	20.7	21.2	25.9	15.1	35.0	11-I	6.5	24-X	13.0	14.6	13.2	13.6	82	61	73	72	869.5	4.7	4 9	3.8	4.5	1085.5	108.0	16 III	118	1	0	13	51	119	73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Taubaté	583	—	—	—	17.3	25.6	19.2	20.3	26.4	16.0	35.0	10-I	5.0	31-VIII	13.5	14.8	14.1	14.1	90	61	85	79	342.9	6.8	6.0	5.8	6.2	1393.9	50.0	11-I	139	0	0	36	55	54	138	45.2	3.1	1.3	13.4	1.1	11.1	1.0	7.5	1.2	6.2	1.1	6.1	0 .9	6.1	1.9	1.3	1.0
Tatuhy	595	711.1	720.8	702.9	17.3	26.1	18.1	19.9	28.5	15.2	39.0	13-I	5.0	31-VIII	—	—	—	—	—	—	—	—	706.1	4.7	4.9	4.2	4.6	1029.1	46.0	8-I	116	1	2	15	18	119	79	57.7	3.1	2.7	0	—	2.9	2.5	0.2	1.5	33.2	2.3	1.3	2.2	1.0	2.1	0.6	1.7
S. Paulo dos Agudos	602	712.8	721.8	704.0	—	—	—	19.9	26.0	14.5	35.0	25-XI 1-XII	4.4	29-V	—	—	—	—	—	—	—	—	480.5	4.5	5.3	4.4	4.7	1327.9	80.0	8-IV	109	1	2	23	22	106	89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rio Claro	614	710.4	719.6	701.8	16.9	25.9	20.2	20.8	26.4	15.1	35.2	25-XI	4.6	29-VIII	13.1	16.4	14.8	14.7	90	66	83	80	663.1	6.8	6.3	5.4	6.2	1574.7	69.5	24-II	127	1	0	57	35	55	133	32.1	17.4	2.8	7.3	2.2	5.5	1.5	5.2	1.9	13.9	2.6	6.5	2.6	4.0	1.9	8.1	2.4
Araras	614	—	—		14.9	26.0	18.1	19.3	26.9	13.6	36.5	25-XI	1.0	30-VIII 31-VIII	11.8	14.0	13.2	13.0	91	57	84	77	697.7	4.7	5.5	3.5	4.5	1140.7	51.0	10-XII	123	2	4	187	23	83	56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Brotas	630	—	—	—	16.0	26.1	18.8	19.9	28.1	14.2	36.5	11-I	3.0	29-V	9.4	12.2	10.9	10.8	67	48	67	61	671.0	5.2	6.2	4.9	5.4	1012.7	38.5	15-IV	112	3	3	16	22	82	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Amparo	658	705.4	714.5	697.7	16.0	26.1	18.7	19.9	27.3	15.0	36.0	10-I	4.6	31-VIII	12.0	13.0	13.3	12.8	88	52	82	74	676.9	4.5	5.7	3.8	4.7	1724.2	71.0	6-IV	144	4	0	5	70	103	82	41.9	9.8	2.9	11.4	2.6	5.7	3.9	3.2	3.5	8.5	3.5	1.9	3.9	13.9	3.2	3.7	3.1
Campinas	665	706.1	715.4	697.7	16.9	25.0	19.3	20.1	25.6	14.2	34.9	10-I	4.3	30-V	12.5	12.8	14.5	13.3	87	55	8[illegible]	77	352.6	5.7	6.6	4.5	5.6	1281.5	60.0	16-III	132	2	0	59	75	70	107	35.7	6.9	0.8	4.5	0.8	11.6	1.5	21.8	2.1	3.4	1.7	2.5	1.0	1.9	0.9	11.5	1.0
Avaré	750	697.7	707.7	688.7	15.9	24.6	17.2	18.7	25.7	14.1	35.0	25-XI	2.3	29-V	—	—	—	—	—	—	—	—	679.7	3.4	3.7	3.2	3.4	1013.4	49.2	7-III	109	1	1	21	7	74	1	6.6	12.7	3.5	14.7	3.3	7.1	3.4	23.6	3.1	13.3	3.3	11.5	3.2	2.2	3.4	8.3	3.1
S. Paulo (Observatorio Central)	761	698.2	707.1	690.7	15.4	23.3	17.3	18.4	24.4	14.4	34.9	11-I	4.0	31-VIII	12.0	12.2	12.8	12.3	90	59	84	78	645.2	7.3	5.1	5.4	6.0	1585.2	134.7	15-III	159	3	0	113	45	46	112	9.0	5.7	2.2	10.6	2.0	15.0	2.2	16.1	2.1	21.4	2.5	3.7	3.0	4.0	1.8	14.5	2.8
Horto Botanico (Cantareira)	800	696.2	705.5	688.3	14.8	23.2	16.5	17.8	24.3	13.9	34.0	12-I	2.8	30-VIII	12.3	14.0	13.1	13.1	95	67	93	85	493.1	5.5	5.9	6.4	5.9	1799.0	54.6	16-III	119	1	0	107	37	65	135	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Alto da Serra	800	—	—	—	—	—	—	18.0	22.1	14.2	32.0	11-I (1) 25-XI	7.0	14-IX (2) 15-IX	—	—	—	—	—	—	—	—	—	—	—	—	—	4160.2	205.7	14-I	158	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S. Paulo (Avenida Paulista)	815	693.8	703.8	684.5	15.4	22.2	16.7	17.8	23.9	13.4	34.4	11-I	2.8	31-VIII	12.0	12.6	12.6	12.4	89	63	89	80	581.4	7.3	5.0	6.0	6.1	1590.8	110.0	16-III	147	5	0	247	42	40	127	13.0	12.3	2.6	14.0	2.4	6.1	1.6	16.7	1.8	24.2	2.4	2.1	1.5	3.1	1.9	8.5	2.7
Bragança	840	690.7	699.6	683.7	16.9	22.7	19.0	19.4	23.7	14.4	33.0	10-I	5.5	30-V	12.5	14.6	13.7	13.6	87	71	83	80	373.0	5.9	6.7	3.9	5.5	1516.5	48.0	17-II 1-XII	141	4	6	58	67	63	111	19.4	5.3	2.2	0	—	9.4	2.5	16.7	3.1	27.5	2.8	7.0	2.2	12.2	2.2	2.5	2.0
S. Carlos do Pinhal	842	693.9	705.0	684.5	16.5	23 2	17.4	18.6	24.4	14.7	34.0	25-XI	4.0	29-V 30-V	—	—	—	—	—	—	—	—	665.3	4.0	5.4	5.1	4.9	2845.0	49.0	25-II	117	1	2	21	27	120	106	18.7	19.4	2.3	18.7	2.3	4.7	2.3	18.5	2.6	2.8	2.4	3.0	2.2	6.2	2.2	8.0	2.4
Apiahy	885	—	—	—	16.6	21.6	18.7	18.9	23.1	15.1	33.0	13-I	4.6	28-V	—	—	—	—	—	—	—	—	—	6.4	6.0	5.4	5.9	1340.9	58.0	3-I	136	2	13	105	92	59	136	16.8	11.8	4.2	8.9	5.8	10.0	5.3	13.3	6.0	6.2	6.4	7.8	4.7	7.5	4.4	17.7	4.8
Cunha	1.000	—	—	—	—	—	—	16.8	22.2	12.0	29.9	25-XI	3.0	30-V	—	—	—	—	—	—	—	—	—	—	—	—	—	1177.7	40.0	1-I (3) 23-II	95	0	9	3	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Villa Jaguaribe	1.580	—	—	—	10.5	18.1	12.2	13.2	1[illegible].9	7.1	27.0	11-I 26-XI	-6.0	30-VIII	8.9	10.4	10.0	9.8	92	67	94	84	534.8	3.5	3.7	3.0	3.4	1898.6	76.6	25-II	154	2	44	157	53	154	37	55.8	5.5	3.2	6.5	3.3	0.5	3.1	7.7	3.2	5.4	2.8	7.1	3.1	0.9	3.0	10.5	3.5

(1) Tambem occorreu em 12-I e 13-XI. (2) Tambem occorreu em 16 e 25-IX. (3) Tambem occorreu em 28-III e 8-IV. (4) Tambem occorreu em 31-VIII. (5) Tambem occorreu em 30-V.

So also on the 12th and 13th-XI. So also on the 16th and 25th-IX. So also on the 28th-III and 8th-IV. So also on the 31st-VIII. So also on the 30th-V.

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