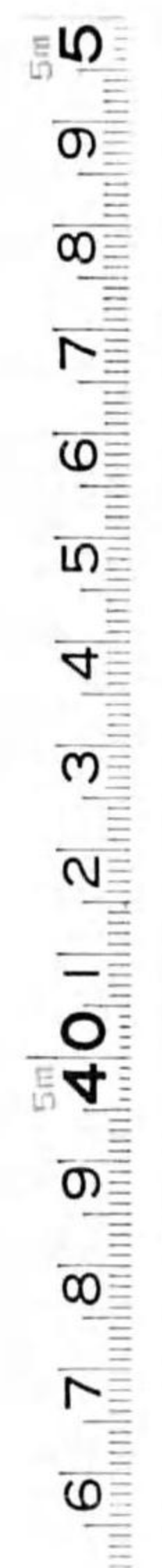


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昭和三年十月

滿洲氣象表

REPORT

OF THE

METEOROLOGICAL OBSERVATIONS

MADE AT THE

METEOROLOGICAL STATIONS

IN

MANCHURIA.

OCTOBER, 1928.

PUBLISHED BY THE METEOROLOGICAL OBSERVATORY, DAIREN.



4-6  
282

### 凡 例

本編ハ昭和三年十月中滿洲各觀測所ニ於ケル氣象觀測ノ成績ヲ示スモノニシテ其ノ觀測ノ時刻方法等ハ日本各測候所ト全ク同一ノ式ニ據ル今其要點ヲ擧クレバ

觀測時ハ日本西部標準時即チ東經百二十度ノ地ノ平時ニ據リ夜半ヲ日界トスル二十四時間制ヲ用フ但シ日照時數ハ眞太陽時ニ據ル

氣壓ハ耗ヲ以テ示シ晴雨計示度ニ施スニ單ニ溫度ノ更正ノミヲ以テシ海面上高サノ更正及重力ノ更正ハ施サズ

溫度ハ攝氏ノ度ニ據ル但シ氷點以下ノ度ハ負數ヲ用ヒズ百ヨリ其度ヲ減シ其餘數ヲ以テ之ヲ示ス即チ氷點以下一度ハ九十九度氷點以下五度ハ九十五度ト記スルガ如シ

或ル觀測時ニ於ケル風速ハ其觀測時前二十分間ノ平均風速ヲ以テ之ヲ示ス

平均雲量ニ未滿ナル日ヲ快晴トシ八以上ナル日ヲ曇天トス

風ノ速度一秒時間十米以上ヲ觀測シタル日ヲ暴風日トス



### EXPLANATION.

The present publication contains the results of the meteorological observations made at the meteorological stations in Manchuria for the month of October, 1928.

The instruments and the method of observation are the same as those at the meteorological stations in Japan. The followings are to be particularly noticed.

*Hours of Observations.*—The Western Standard Time of Japan (civil mean time of the meridian 120° E.) is adopted. For the measure of sunshine duration the apparent solar time is used.

*Pressure.*—The barometric readings in millimetres are reduced only to freezing point.

*Temperature.*—The degrees are given in Centigrade; those below zero are shown by adding 100, to avoid the minus sign; thus 99° for -1°, 95° for -5°, etc.

*Velocity of the Wind.*—As the velocity at any time is given the mean for the preceding 20 minutes.

*Clear and Cloudy Days.*—The mean amount of cloud for a clear day is less than 2 exclusive, and for a cloudy day is more than 8 inclusive.

*Days with Gales.*—As such are counted the days on which the maximum velocity reaches or exceeds 10 metres per second.





現象記號 ILLUSTRATION OF SYMBOLS

(1) 萬國共通記號 International symbols

Table of international weather symbols including Rain, Snow, Thunder storm, etc., with their respective symbols and Japanese/English labels.

(2) 其他ノ記號 Other symbols

Table of other weather symbols including Frozen rain, Ice columns, Red sky, etc., with their respective symbols and Japanese/English labels.

(3) 現象ノ強サ The intensity of the phenomena

現象ノ強弱ヲ示ス爲ニ記號ノ右肩ニ012ノ數字ヲ記ス例ヘキ

The intensity of a phenomenon is shown by an index added to its symbol, thus:-

微雨 ●<sup>0</sup> slight rain 中雨 ●<sup>1</sup> moderate rain 強雨 ●<sup>2</sup> heavy rain

地震震度階級 Intensity of earthquakes

微震 ⊙<sup>(1)</sup> slight 弱震(弱キ方) ⊙<sup>(2)</sup> moderate 弱震 ⊙<sup>(3)</sup> rather strong 強震(弱キ方) ⊙<sup>(4)</sup> strong 強震 ⊙<sup>(5)</sup> very strong 烈震 ⊙<sup>(6)</sup> disastrous

Main weather data table for Dairen, October 1928. Columns include Day, Air Pressure (mm), Wind Direction and Velocity (m/sec), Precipitation (mm), Air Temperature (°C), Relative Humidity (%), and Cloud Amount and Form. Includes a summary row at the bottom.

重力ノ更正 Reduction to standard gravity..... 0.4 海面ノ更正 Reduction to mean sea level..... + 8.9



昭和三年十月

大連 DAIREN.

OCTOBER, 1923.

Table with columns for Day, Tension of Vapour, Earth Temperature (Surface and various heights), and Min/Max Temp. Includes monthly averages at the bottom.

記事 REMARKS.

Handwritten remarks for each day, including weather conditions and specific observations like 'a.p.', 'c.a.', and cloud descriptions.

昭和三年十月

營口 YINGKOW.

OCTOBER, 1923.

Table with columns for Day, Air Pressure, Wind Direction and Velocity, and Amount of Precipitation. Includes monthly averages at the bottom.

Table with columns for Day, Air Temperature, Relative Humidity, Amount and Forms of Cloud, and Sunshine. Includes monthly averages at the bottom.

電力ノ更正 Reduction to standard gravity..... - 0.3
海面ノ更正 Reduction to mean sea level..... + 0.3



奉天 MUKDEN.

昭和三年十月

OCTOBER, 1928.

Table for Mukden weather data: Air Pressure (mm), Wind Direction and Velocity (m/sec), and Amount of Precipitation (mm) for days 1-31.

Table for Mukden weather data: Air Temperature (C), Relative Humidity (%), Amount and Forms of Cloud, and Evaporation (mm) for days 1-31.

重力ノ更正 Reduction to standard gravity..... 0.2
海面ノ更正 Reduction to mean sea level..... + 4.1

長春 CHANGCHUN.

昭和三年十月

OCTOBER, 1928.

Table for Changchun weather data: Air Pressure (mm), Wind Direction and Velocity (m/sec), and Amount of Precipitation (mm) for days 1-31.

Table for Changchun weather data: Air Temperature (C), Relative Humidity (%), Amount and Forms of Cloud, and Evaporation (mm) for days 1-31.

重力ノ更正 Reduction to standard gravity..... 0.1
海面ノ更正 Reduction to mean sea level..... + 20.0



旅 順

RYOJUN.

OCTOBER, 1928.

昭和三年十月

Table with columns for Day, Air Pressure (mm), Wind Direction and Velocity (m/sec), and Amount of Precipitation (mm). Includes daily data from Day 1 to 31 and a summary row.

Table with columns for Day, Air Temperature (C), Relative Humidity (%), Amount and Forms of Cloud (0-10), and Evaporation (mm). Includes daily data from Day 1 to 31 and a summary row.

重力ノ更正 Reduction to standard gravity..... 0.4
海面ノ更正 Reduction to mean sea level..... + 7.2

鞍 山

ANZAN.

OCTOBER, 1928.

昭和三年十月

Table with columns for Day, Air Pressure (mm), Wind Direction and Velocity (m/sec), and Amount of Precipitation (mm). Includes daily data from Day 1 to 31 and a summary row.

Table with columns for Day, Air Temperature (C), Relative Humidity (%), Amount and Forms of Cloud (0-10), and Evaporation (mm). Includes daily data from Day 1 to 31 and a summary row.

重力ノ更正 Reduction to standard gravity..... 0.3
海面ノ更正 Reduction to mean sea level..... + 3.6



昭和三年十月

開原 KAIYUAN.

OCTOBER, 1928.

Table with columns for Day, Air Pressure (mm), Wind Direction and Velocity (m/sec), and Amount of Precipitation (mm). Includes daily data from Oct 1 to 31 and a monthly summary.

Table with columns for Day, Air Temperature (C), Relative Humidity (%), and Amount and Form of Cloud (0-10). Includes daily data from Oct 1 to 31 and a monthly summary.

重力ノ更正 Reduction to standard gravity..... 0.2
海面ノ更正 Reduction to mean sea level..... + 8.6

鄭家屯 CHENG-CHIA-TUN.

昭和三年十月

OCTOBER, 1928.

Table with columns for Day, Air Pressure (mm), Wind Direction and Velocity (m/sec), and Amount of Precipitation (mm). Includes daily data from Oct 1 to 31 and a monthly summary.

Table with columns for Day, Air Temperature (C), Relative Humidity (%), and Amount and Form of Cloud (0-10). Includes daily data from Oct 1 to 31 and a monthly summary.

重力ノ更正 Reduction to standard gravity..... 0.1
海面ノ更正 Reduction to mean sea level..... + 10.7



洮南

昭和三年十月

TONAN

OCTOBER, 1928.

日 Day	氣 壓 (耗) AIR PRESSURE (mm) (700 mm +)				風ノ方向及速度 (米/秒) DIRECTION AND VELOCITY (m/sec) OF WIND.				降 水 量 (耗) AMOUNT OF PRECIPITATION (mm)			
	5 <sup>h</sup>	13 <sup>h</sup>	21 <sup>h</sup>	平均 Mean	5 <sup>h</sup>	13 <sup>h</sup>	21 <sup>h</sup>	二十四時 間平均 Mean (for 24h)	21-5 <sup>h</sup>	5-13 <sup>h</sup>	13-21 <sup>h</sup>	總計 Total
1	50.4	51.1	52.0	51.2	W 0.5	N 3.3	S 2.5	2.0	—	—	—	—
2	52.2	51.9	53.3	52.5	W 1.9	NNW 1.9	E 0.8	1.7	—	—	—	—
3	50.5	57.7	58.2	57.5	NNE 4.8	NNE 5.3	ESE 2.2	4.1	—	—	—	—
4	57.0	53.6	50.4	53.7	SW 2.7	WSW 3.6	S 5.1	3.9	—	—	—	—
5	47.3	44.2	43.1	44.9	SW 3.2	SW 6.4	S 5.3	6.7	—	—	—	—
6	45.0	47.0	48.5	46.8	N 8.1	N 3.6	NNW 0.9	5.2	—	—	—	—
7	46.9	44.4	44.8	45.4	NW 2.0	N 7.1	N 8.8	5.3	—	—	—	—
8	44.5	41.9	42.3	42.9	N 7.1	NNE 8.3	N 14.2	7.9	—	—	—	—
9	41.2	40.4	44.5	42.0	NNW 9.9	NW 8.3	NW 3.8	7.3	—	—	—	—
10	49.1	50.1	52.9	50.7	NW 2.2	NNW 4.6	— 0.1	2.6	—	—	—	—
11	54.4	51.9	55.1	53.8	— 0.2	ENE 6.5	ENE 0.6	1.8	—	—	—	—
12	55.8	54.3	54.7	54.9	N 1.2	WSW 2.2	SW 2.5	1.7	—	—	—	—
13	54.2	52.7	52.8	52.8	SSW 1.9	S 5.1	SSW 2.9	3.8	—	—	—	—
14	47.5	46.4	48.1	47.3	SE 3.4	W 5.1	WNW 2.9	3.3	—	—	—	—
15	47.4	47.9	51.3	48.9	WSW 3.6	NNW 4.0	WNW 5.0	3.6	—	—	—	—
16	49.5	50.4	51.3	50.4	W 1.8	WSW 4.8	WSW 1.6	3.0	—	—	—	—
17	50.9	52.4	54.1	52.5	SW 3.0	NW 2.3	— 0.2	1.9	—	—	—	—
18	54.3	54.1	55.2	54.5	WNW 0.6	NNW 2.6	SSW 2.2	1.5	—	—	—	—
19	55.5	54.8	54.5	54.9	NW 0.8	WSW 1.8	SW 3.5	1.7	—	—	—	—
20	54.2	52.6	53.2	53.3	WSW 1.3	WSW 4.5	SW 3.2	2.6	—	—	—	—
21	52.8	51.2	50.2	51.4	W 0.7	SSW 6.6	S 4.0	3.1	—	—	—	—
22	49.7	48.6	49.5	49.3	SSW 3.4	SW 4.7	WNW 1.1	2.5	—	—	—	—
23	53.1	48.2	44.7	49.0	NNW 0.6	S 2.6	SSW 6.7	3.1	—	—	—	—
24	46.5	49.9	51.2	49.2	WNW 2.9	NW 5.7	ENE 2.3	3.6	—	—	—	—
25	53.0	54.2	54.8	54.0	NW 0.7	N 1.8	SSW 3.4	2.4	—	—	—	—
26	53.9	51.0	50.0	51.6	S 3.7	SSW 6.0	E 0.6	3.2	—	—	—	—
27	50.4	54.4	56.4	53.7	N 1.2	N 7.7	N 5.8	5.4	—	—	—	—
28	56.0	57.4	59.1	57.5	NW 3.1	NNW 6.0	S 1.3	4.0	—	—	—	—
29	58.6	56.8	56.7	57.4	ENE 1.9	SSW 3.3	S 1.0	2.2	—	—	—	—
30	55.6	55.2	55.0	55.3	ENE 2.5	NNW 1.2	SE 1.8	2.0	—	—	—	—
31	53.6	50.6	47.9	50.7	S 2.5	S 5.1	SE 2.9	3.3	—	—	—	—
平均 Mean	51.5	50.9	51.4	51.3	2.7	4.6	3.2	3.4	1.8	6.8	Sum 21	10.7

日 Day	氣 温 (攝氏) AIR TEMPERATURE (°C)				濕 度 (百分率) REL. HUMIDITY (%)				雪 量 (0-10) 及 雲 形 AMOUNT (0-10) AND FORMS OF CLOUD.				日照 時數 (WITH SUNSHINE) 日數 (HOURS)	蒸發 量 (耗) AMOUNT OF EVAPORATION (mm)							
	5 <sup>h</sup>	13 <sup>h</sup>	21 <sup>h</sup>	平均 Mean	最高 Max.	最低 Min.	較差 Range	5 <sup>h</sup>	13 <sup>h</sup>	21 <sup>h</sup>	平均 Mean	5 <sup>h</sup>			13 <sup>h</sup>	21 <sup>h</sup>					
1	5.1	21.6	12.0	12.9	21.8	4.6	17.2	90	33	56	60	0	—	1	kc	0	0.3	10.58	6.4		
2	7.5	20.6	11.2	13.4	20.9	5.8	15.1	71	35	69	58	0	—	3	cc	1	1.3	10.64	3.4		
3	7.2	14.2	7.6	9.7	14.3	5.7	8.6	87	47	66	73	7	k	0	—	0	—	10.26	4.7		
4	2.0	18.8	10.5	10.4	19.4	1.2	18.2	81	36	44	54	0	—	0	—	0	—	10.49	6.9		
5	3.7	22.0	12.0	12.6	23.0	3.4	19.6	67	32	49	49	0	—	0	—	0	—	10.17	6.5		
6	6.0	4.2	2.6	4.3	12.0	2.2	9.8	71	86	87	81	10	n	10	n	4	n	8.0	0.00	1.4	
7	2.0	7.8	10.8	6.9	11.4	0.5	10.9	81	97	85	88	10	n	10	n	10	n	10.0	0.00	2.7	
8	9.2	13.4	8.4	10.3	13.8	7.9	5.9	80	63	66	70	10	sc	10	n	10	n	10.6	3.18	5.0	
9	5.2	9.0	8.0	7.4	9.9	4.4	5.5	54	44	51	50	10	sk	10	n	10	n	10.0	0.00	4.4	
10	1.4	11.6	2.8	5.3	12.0	1.3	10.7	73	36	78	62	0	—	0	—	0	—	9.50	4.4		
11	97.6	11.6	3.4	4.2	11.9	96.8	15.1	95	42	60	66	0	—	3	sk	0	—	1.0	8.28	3.0	
12	98.4	13.0	3.7	5.0	14.4	97.3	17.1	82	29	64	58	1	sk	0	—	0	—	0.3	9.97	3.6	
13	99.4	15.2	5.8	6.8	15.3	98.6	16.7	83	38	67	63	0	—	10	cs	0	—	3.3	8.80	4.5	
14	3.8	12.6	5.8	7.4	14.7	2.0	12.7	78	55	64	66	10	sc	1	sk	1	sk	4.0	3.01	2.5	
15	1.4	11.6	0.8	4.6	12.7	0.2	12.5	80	33	40	51	9	n	2	k	0	—	3.7	5.03	3.7	
16	94.4	1.8	98.4	98.6	3.3	93.4	9.9	100	88	87	92	9	n	10	sk	0	—	6.3	0.42	4.1	
17	99.1	7.8	3.4	3.4	8.4	97.7	10.7	85	52	91	76	10	n	10	sk	10	n	10.0	1.87	1.9	
18	98.3	10.2	2.2	3.6	11.4	97.7	13.7	92	34	63	62	5	sk	1	cc	0	—	2.0	9.31	3.1	
19	97.7	13.9	4.1	5.2	15.3	96.8	18.5	95	35	56	62	0	—	0	—	0	—	0.3	9.31	3.4	
20	99.5	19.6	7.8	9.0	20.2	98.8	21.4	81	33	55	56	0	—	1	ca	0	—	0.3	9.31	4.1	
21	0.6	20.3	8.6	9.8	20.7	0.0	20.7	84	27	48	53	2	s	0	—	0	—	0.7	9.50	5.8	
22	0.6	19.3	7.7	9.2	20.5	0.3	20.2	77	25	54	52	2	s	0	—	0	—	0.7	9.36	4.0	
23	0.2	12.6	12.3	8.4	15.6	98.8	16.8	92	49	41	61	3	s	3	s	10	sc	5.3	8.82	4.5	
24	6.0	9.0	6.9	7.3	12.5	4.7	7.8	56	47	59	51	0	—	10	sc	10	n	6.7	3.00	3.2	
25	1.8	7.7	0.6	3.4	9.7	0.2	9.5	92	42	61	65	9	sk	0	—	0	—	3.6	8.83	2.6	
26	99.2	10.7	8.4	6.1	11.3	98.1	13.2	70	52	64	62	3	sk	10	ca	10	sc	7.7	5.09	2.9	
27	4.4	3.8	0.2	2.8	8.4	0.1	8.3	79	75	79	78	8	n	10	n	10	n	9.3	0.00	3.9	
28	97.0	99.6	93.4	96.7	0.6	92.8	7.8	84	89	72	82	10	n	10	ca	0	—	6.7	7.28	1.9	
29	92.6	0.4	95.2	96.1	0.6	91.2	9.4	87	45	88	73	4	sk	9	sc	7	kc	6.7	7.72	2.1	
30	94.6	98.6	93.4	95.5	0.2	93.2	7.0	77	80	82	80	9	kc	0	—	0	—	3.3	7.38	1.5	
31	90.1	2.4	98.1	96.9	2.5	89.1	13.4	96	53	96	80	0	—	1	s	10	ck	3.7	8.50	2.1	
平均 Mean	0.8	11.1	4.7	5.6	12.5	99.5	13.0	81	49	65	66	4.5	—	4.2	—	—	—	3.6	4.1	265.61	114.2

重力ノ更正 Reduction to standard gravity..... 0.0  
海面ノ更正 Reduction to mean sea level ..... +14.0

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