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第三種納本

昭和六年
滿洲氣象表

ANNUAL REPORT

OF THE

METEOROLOGICAL OBSERVATIONS

MADE AT THE

METEOROLOGICAL STATIONS

IN

MANCHURIA

1931

PUBLISHED BY THE METEOROLOGICAL OBSERVATORY
DAIREN, MANCHURIA.

内務省
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正本

始



14.6 = -282



凡 例

本編ハ昭和六年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ハ

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制ヲ用フ但シ日照時數ハ真太陽時ニ據ル

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ス

溫度ハ攝氏ノ度ニ據ル但シ氷點以下ノ度ハ負數ヲ用ヒス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カ如シ

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

EXPLANATION.

The present publication contains the results of the meteorological observations made at the meteorological stations in Manchuria in the year, 1931.

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 Observation.—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 millimeters 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 is less than 2 exclusive for the former, and more than 8 inclusive for the

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

現象ノ記號ハ總テ萬國普通ノ記號ヲ用

フ

關東廳觀測所長

草 間 茂 登

latter.

Days with Gales.—As such are counted the days when the maximum velocity reaches or exceeds 10 meters per second.

The occurrence of phenomena is recorded with international symbols.

S. KUSAMA,

Director of the Meteorological Observatory of the Government of Kwantung.

萬國普通記號
ILLUSTRATION OF SYMBOLS.

雨	☉	Rain	雨水	~	Glazed frost	烟霧	∞	Haze
雪	✱	Snow	吹雪	+	Snow drift	卷雲	C	Cirrus
電雷	⌈	Thunder storm	細氷	←	Ice crystals	卷積雲	CS	Cirro-stratus
雷聲	⌋	Thunder without lightning	地震	⊙	Earthquake	卷積雲	CK	Cirro-cumulus
電光	⌋	Lightning without thunder	日光環	⊕	Solar corona	高積雲	KC	Alto-cumulus
霰	△	Graupel	日暈	⊕	Solar halo	高層雲	SC	Alto-stratus
雹	▲	Hail	月光環	⊖	Lunar corona	層積雲	SK	Strato-cumulus
霧	≡	Mist, fog	月暈	⊖	Lunar halo	亂雲	N	Nimbus
霜	⌋	Hoar frost	暴風	⌋	Gale	積雲	K	Cumulus
露	▲	Dew	虹	∩	Rainbow	積亂雲	KN	Cumulo-nimbus
霧氷	∨	Silver thaw	極光	⌋	Aurora	層雲	S	Stratus

大連 DAIREN. 昭和六年

1931

大連

Table with columns for month, air pressure, temperature, humidity, precipitation, and cloud cover. Includes sub-tables for 'Air Pressure', 'Air Temperature', 'Relative Humidity', 'Precipitation', and 'Clouds'.

重力的更正 Reduction to standard gravity... 海面への更正 Reduction to mean sea level...

大連 DAIREN. 昭和六年

1931

大連

Table with columns for month, wind velocity, gales, upper clouds, wind frequency, and number of days with weather. Includes sub-tables for 'Wind Velocity', 'Gales', 'Upper Clouds', 'Wind Frequency', and 'Number of Days with Weather'.

重力的更正 Reduction to standard gravity... 海面への更正 Reduction to mean sea level...

昭和六年

營口 YINGKOW.

1931

營口

Table with columns for month, air pressure, water vapor tension, air temperature, relative humidity, precipitation, cloud amount, sunshine, and evaporation. Includes monthly and annual data.

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

昭和六年

營口 YINGKOW.

1931

營口

Table with columns for month, wind velocity, gale days, upper clouds, wind frequency, and number of days with various weather conditions. Includes monthly and annual data.

奉天 MUKDEN. 1931 昭和六年

Table with columns for month, air pressure, water vapor tension, air temperature, relative humidity, precipitation, cloud amount, and sunshine. Includes monthly and annual data for Mukden.

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

奉天 MUKDEN. 1931 昭和六年

Table with columns for month, wind velocity, gale days, upper cloud, wind frequency, and number of days with various weather conditions. Includes monthly and annual data for Mukden.

奉天

奉天

昭和六年

長春 CHANGCHUN.

1931

長春

Table with 4 main sections: 氣壓 (AIR PRESSURE), 水蒸氣/張力 (TENSION OF VAPOUR), 氣溫 (AIR TEMPERATURE), and 濕度 (RELATIVE HUMIDITY). Includes monthly and annual data for 1931.

* 重力ノ更正 Reduction to standard gravity..... 0.1 海面へノ更正 Reduction to mean sea level +19.9

昭和六年

長春 CHANGCHUN.

1931

長春

Table with 4 main sections: 風速度 (VELOCITY OF WIND), 暴風日數 (NO. OF DAYS WITH GALES), 上層雲 (UPPER CLOUD), and 各風向觀測回數 (FREQUENCY OF WIND FROM). Includes monthly and annual data for 1931.

昭和六年

旅順 RYOJUN.

1931

旅順

Table with columns for month, air pressure, water vapor tension, air temperature, relative humidity, precipitation, cloud amount, sunshine, and evaporation. Includes monthly and annual data.

* 重力ノ更正 Reduction to standard gravity..... 0.4
海面へノ更正 Reduction to mean sea level + 7.3

昭和六年

旅順 RYOJUN.

1931

旅順

Table with columns for month, wind velocity, gale days, upper cloud, wind frequency, and number of days with various weather conditions. Includes monthly and annual data.

鞍山 ANSHAN.

昭和六年

1931

鞍山

Table with columns for month, air pressure, water vapor tension, air temperature, relative humidity, precipitation, cloud amount, and sunshine. Includes monthly and annual data for 1931.

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

鞍山 ANSHAN.

昭和六年

1931

鞍山

Table with columns for month, wind velocity, gale days, upper clouds, wind frequency, and number of days with various weather conditions. Includes monthly and annual data for 1931.

鄭家屯 CHENGCHIATUN. 1931

鄭家屯

Table with columns for month, air pressure, vapor tension, air temperature, relative humidity, precipitation, cloud amount, and sunshine. Includes monthly and annual data.

*重力ノ更正 Reduction to standard gravity..... 0.1 海面へノ更正 Reduction to mean sea level + 10.8

鄭家屯 CHENGCHIATUN. 1931

鄭家屯

Table with columns for month, wind velocity, gale days, upper cloud, wind frequency, and number of days with various weather conditions. Includes monthly and annual data.

昭和六年

洮南 TAONAN.

1931

洮南

Table with 15 columns: MONTH, AIR PRESSURE (mm), AIR TEMPERATURE (C), RELATIVE HUMIDITY (%), AMOUNT OF PRECIPITATION (mm), AMOUNT OF CLOUD (0-10), NO. OF HOURS WITH SUNSHINE, and EVAPORATION (mm). Rows include monthly data from Jan to Dec and annual totals.

* 重力ノ更正 Reduction to standard gravity..... 0.0
海面へノ更正 Reduction to mean sea level + 14.5

昭和六年

洮南 TAONAN.

1931

洮南

Table with 15 columns: MONTH, VELOCITY OF WIND (m/sec), NO. OF DAYS WITH GALES, UPPER CLOUD, FREQUENCY OF WIND FROM, and NUMBER OF DAYS WITH various weather conditions. Rows include monthly data from Jan to Dec and annual totals.

哈爾濱 KHARUBIN.

昭和六年

1931

哈爾濱

Table with columns for month, air pressure, water vapor tension, air temperature, relative humidity, precipitation, cloud amount, sunshine, and evaporation. Includes monthly and annual data for 1931.

*重力ノ更正 Reduction to standard gravity.....+ 0.1 海面へノ更正 Reduction to mean sea level+ 13.7

哈爾濱 KHARUBIN.

昭和六年

1931

哈爾濱

Table with columns for month, wind velocity, gale days, upper cloud, wind frequency, and number of days with various weather conditions. Includes monthly and annual data for 1931.

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