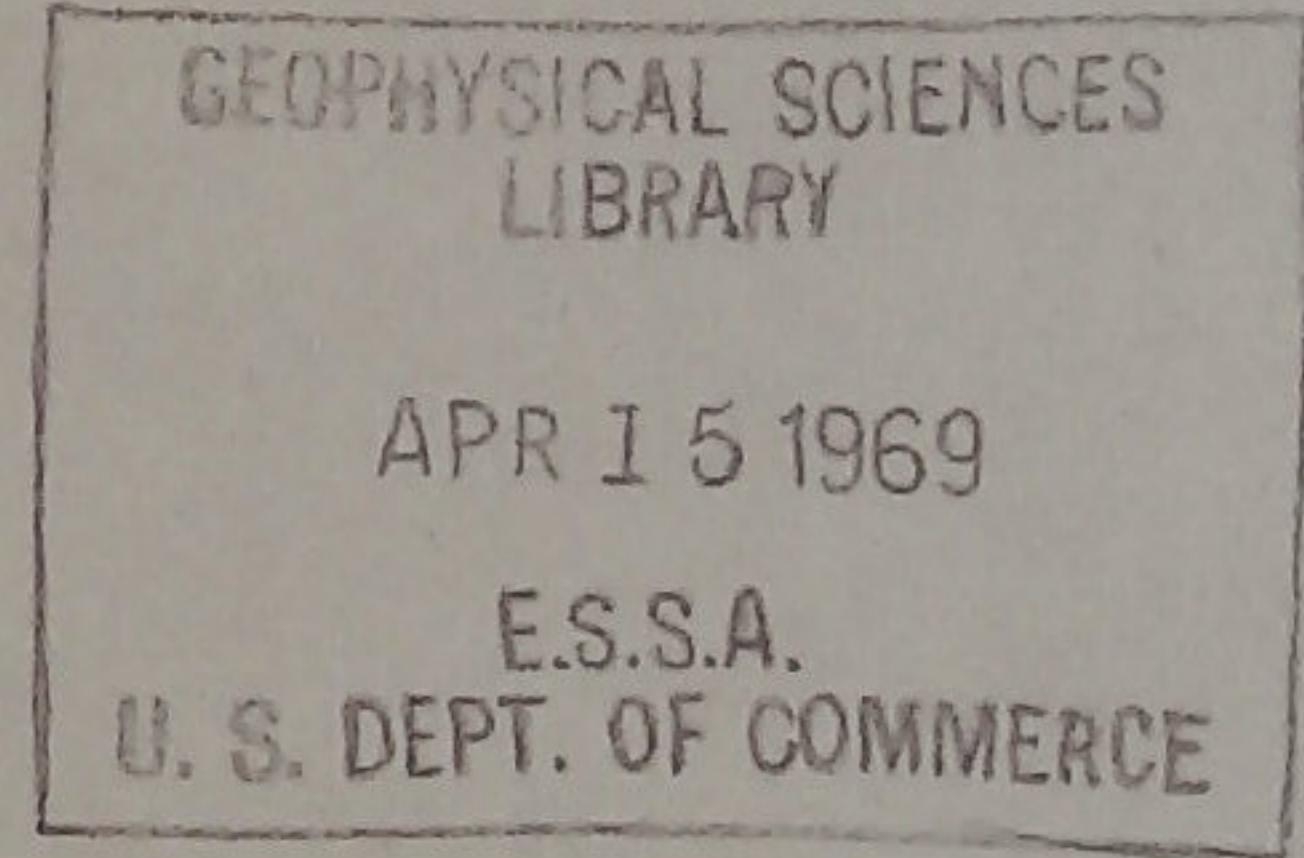


Box 7
1966

APR 22 1969



ANNUAL REPORT
OF THE
METEOROLOGICAL
AND THE
✓ SEISMOLOGICAL OBSERVATIONS
MADE AT THE
INTERNATIONAL LATITUDE OBSERVATORY
OF MIZUSAWA
FOR
THE YEAR 1966.



LATITUDE 39°08' N., LONGITUDE 141°08' E.,
HEIGHT ABOVE MEAN SEA LEVEL 62 METERS.

PUBLISHED BY THE INTERNATIONAL LATITUDE OBSERVATORY
OF MIZUSAWA

1967

Errata

page	line and column	for	read
Introduction	12	ol	old
"	13	anemom-d	anemo-
"	14	eter	meter
"	§12	Blowing bust	Blowing dust
"	SEISMOLOGICAL OBS.	on 29 1966	on 29 July 1966
11	4, Amount of cloud	Mena	Mean
13	-4, Precipitation 28d	70.6	79.6
21	-19, Weather pheno. 14d	○°	▼°
28	18	Hebruary	February
28	-14	Lighting	Lightning
29	4	Precipitaiton	Precipitation
30	9, Last Day	Feb. 24	Feb. 14
35	No. 201, Z of P	33 31	i 33 31
"	No. 202, Z of S	27 26	e 27 26
"	No. 203, Z of S	52 24	e 52 24
37	No. 276, NS of P	29 19	e 29 19
38	No. 11 Day of Max.	31	13
39	4	Daet	Date
"	4	amplitued	amplitude

INTRODUCTION

This annual report contains all the meteorological and seismological data observed at the International Latitude Observatory of Mizusawa during the year 1966, which may serve to investigate the geophysical effects on longitude and latitude observations. These meteorological and seismological observations have been made continuously from 1902.

METEOROLOGICAL OBSERVATIONS

Most of the meteorological instruments are situated in the observation field about 10 meters north of the visual zenith telescope room. In this field, there are the motor-driven aspiration psychrometer, maximum and minimum thermometers, thermograph, hygrograph, pluviograph, Helmann's chionograph, rain gauges, L-shaped tube earth thermometers, Simon's earth thermometers, snow measuring plates, snow gauge, and Robitzsch's actinograph. Fortin's barometer and barograph in the old meteorological room were removed on 24 July 1966 to the basement of the new observation building which was constructed near by the old one in April 1966, about 161 meters NNE of the visual zenith telescope room. Robinson's 3 cup anemometer and wind vane were fixed on the roof of the new building on 15 July 1966. On the other hand, Jordan's sunshine recorder was removed to the observation field on 7 July 1966.

The meteorological observations, computations and symbols are performed in accordance with the instructions issued by Japan Meteorological Agency, Tokyo. Observations were made three times a day, that is, at 6^h, 14^h and 22^h. The data at 2^h, 10^h and 18^h were supplemented by the self-recording instruments. Consequently, the data are obtained six times a day as before. This observing programme seems convenient to investigate the meteorological effects on longitude and latitude observations.

The following points are to be noticed for each meteorological element:

1. *Air Pressure.* — The barometer readings in millibar (mb) at station level are reduced to the state at 0°C and at 45°N of latitude (980.665 gal). The observed gravity at Mizusawa is 980.162 gal according to the Geographical Survey Institute of Japan. The value referred to the Potsdam Gravity System is reduced to the Meteorological Gravity System by adding -0.013 gal. These corrected values of air pressure are defined as the station pressure. Moreover, those reduced to the mean sea level are given in the next columns. The Gothic figures represent the extreme values in a given month.
2. *Air Temperature.* — The dry-bulb thermometer of the motor-driven aspiration psychrometer is adopted as standard. Air temperature is measured in degrees Centigrade (°C) and the values below 0°C are prefixed with minus sign. Maximum and minimum air temperature are the highest and lowest temperature during a whole day from 0^h to 24^h. Maximum and minimum thermometers are usually reset at 22^h, so that the self-recording instrument is used in the case of the occurrence of extreme air temperature between 22^h and 24^h. The Gothic figures in the "Max., Min." represent the maximum and minimum values in a given month.
3. *Wind Velocity and Wind Direction.* — The wind velocity is measured by Robinson's 3 cup anemometer which has been regularly used since 1 January 1963. The unit of the wind velocity is a meter per second. The wind velocity at the time of observation means 10 minutes' mean velocity just before that time. The mean wind velocity in the column "Mean for 24^h" is computed from the value of the total air movement in a whole day (0^h-24^h). The wind direction is indicated on a 16 point-scale. When the wind velocity is less than 0.3 meters per second, the wind direction is denoted as "—".
4. *Relative Humidity and Vapour Pressure.* — The motor-driven aspiration psychrometer is used and Sprung's following formula is applied to derive the vapour pressure in mb:

$$e = E' - \frac{4}{3} A (t-t') - \frac{P}{755},$$

where e denotes the vapour pressure in mb, E' the saturation vapour pressure at t' , $t-t'$ the temperature difference between the dry-bulb and the wet-bulb thermometers and P the atmospheric pressure in mm Hg. According to Sprung, the factor A is normally 0.50 and is 0.44 in the case of the frozen wet-bulb. Relative humidity is shown in full numbers of percentage.

5. *Cloud Amount.* — The cloud amount is visually measured as the areal ratio of clouds to the whole sky (0-10).
6. *Duration of Sunshine.* — The duration of sunshine is the value measured by Jordan's sunshine recorder (heliograph) and is expressed in the unit of hour. The ratio of the duration of sunshine to that of the possible amount for a month is also given in percentage.

7. *Total Solar and Sky Radiations.* — Total solar and sky radiations on a horizontal surface are measured by Robitzsch's actinograph. The instrumental constant k is equivalent to 1 cm displacement of the pen and is 0.375 cal/cm² min.
8. *Precipitation* — Precipitation is observed with the rain gauge of 20 cm in diameter and is measured in mm. Daily amount of precipitation is defined as the total amount obtained in 24 hours from 22^h of the previous day to 22^h of the day.
9. *Earth Temperature.* — Earth temperatures at 0.05, 0.10, 0.20 and 0.30 meters of depth are observed with the L-shaped tube earth thermometers and those at 0.5, 1.0, 2.0, 3.0 and 6.0 meters of depth are observed with Simon's earth thermometers. The daily mean values of the formers are the average values of three observations at 6^h, 14^h and 22^h. The monthly mean values of the latters are the average values of daily observations at 10^h once a day.
10. *Clear and Cloudy Days.* — The number of clear days in a month indicates the number of days with daily means of cloud amount from 0 to 2.4 and the number of cloudy days, from 7.5 to 10.
11. *Sunless Days.* — Sunless days indicates the days with the duration of sunshine less than 0.1 hours on Jordan's sunshine recorder.
12. *Weather Symbols.* — On recording the meteorological phenomena, the following symbols are used.

Weather Symbols

●	Rain	↓	Drifting snow	↑	Ash fall
▽	Rain shower	+	Blowing snow	\$	Drifting dust
⤒	Freezing rain	⊕	Snow storm	\$	Blowing bust
,	Drizzle	△	Dew	⊖	Dust storm or Sand storm
⤒	Freezing drizzle	□	White dew	ε	Dust whirl or Sand whirl
*	Snow	□	Hoar-frost	⊕	Solar halo
⤓	Snow shower	□	Ice columns	□	Lunar halo
⤒	Rain and snow mixed	□	Air hoar	○	Solar corona
⤒	Rain and snow mixed shower	▽	Soft rime	□	Lunar corona
⤒	Snow pellets	▽	Hard rime	○	Irisation
△	Snow grains	?	Glaze	○	Rainbow
△	Ice pellets	☒	Snow coverage	☒	Thunderstorm
⤓	Small hail	□	Freezing	↖	Lightning
▲	Hail	□	Smoke	↑	Thunder
⤒	Ice prisms	☒	Yellow sand	•	rain in the neighbourhood
≡	Fog	S	Dust haze	•	Snow in the neighbourhood
⤒	Ice-fog	∞	Haze	≡	Fog in the neighbourhood
=	Mist	□	Spout	∞	Haze in the neighbourhood

Intensity of the meteorological phenomena is represented by three suffixes on the right side above the symbol, that is, 0, 1, and 2

The heights of the meteorological instruments are as follows:

Barometer — 61.1 m (63.7 m) above the mean sea level.

Dry-bulb Thermometer — 1.3 m above the ground.

Anemometer — 16.7 m (16.6 m) above the ground.

Wind vane — 16.8 m (16.5 m) above the ground.

Rain Gauge — 0.6 m above the ground.

Values in brackets indicate the old ones.

SEISMOLOGICAL OBSERVATIONS

Omori's horizontal seismographs for the EW and NS components, and Nasu's seismograph for the vertical component were also removed to the basement of the new observation building on 29 1966.

Constants of the three seismographs are as follows:

	EW	NS	Z
Proper period	10.8 (10.4) sec	33.0 (33.0) sec	4.8 (5.6) sec
Dynamical magnification	100	20	25
Value of friction	3.8 (2.7)	2.3 (1.2)	1.7 (2.4)
Damping ratio	2 (3)	—	2 (4)
Mass of weight	45.0 kg	17.6 kg	4.4 kg

Values in brackets indicate the old ones.

The pulsatory oscillations or microseisms are measured only with EW component of Omori's horizontal seismograph.

Remarks:

1. The seismic intensity is divided into the following eight classes according to the scale of Japan Meteorological Agency (1949).

Unfelt	0	
	I.	Slight
	II.	Moderate
	III.	Rather strong
Felt	IV.	Strong
	V.	Very strong
	VI.	Disastrous
	VII.	Very disastrous
2. The time adopted in the seismological observations is Japanese Standard Time (9^{h} east of Greenwich).
3. Symbols and Notations.

i: Sudden beginning of motion.
e: Gradual beginning of motion.
+: Out of order of the instrument.
 \oplus : Out of the range of the instrument.
[]: Depth of focus in the unit of km.
[S]: Shallow-focussed earthquakes.
A.S.: After-schock.

The observations and computations have been worked out by Messrs. T. Goto, I. Kumagai, K. Suzuki, N. Kikuchi and N. Sato under the direction of Mr. S. Goto, the chief of the Meteorological Section.

July 1967

T. Okuda
Director of the International Latitude Observatory of Mizusawa





METEOROLOGICAL OBSERVATIONS

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

JANUARY, 1966.


 International Seismological Centre

Day	STATION PRESSURE (1000 mb+)						M.S.L. PRESSURE (1000 mb+)						AIR TEMPERATURE °C									
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	
1	0.9	1.7	2.1	0.1	2.3	4.0	1.9	9.0	9.8	10.1	8.1	10.4	12.1	9.9	-3.1	-3.6	-1.0	-0.7	-3.3	-2.9	-2.4	
2	5.6	7.0	8.4	7.8	9.3	10.9	8.2	13.7	15.2	16.5	15.8	17.4	19.0	16.3	-3.4	-5.2	-2.3	0.5	-1.6	-1.4	-2.2	
3	11.1	11.7	13.0	12.7	13.7	13.6	12.6	19.3	19.9	21.0	20.6	21.8	21.7	20.7	-2.8	-3.6	1.6	4.9	1.2	-1.2	0.0	
4	11.3	9.7	6.5	995.5	984.6	975.6	997.2	19.4	17.9	14.6	3.4	992.4	983.3	5.2	-2.2	-3.6	-1.8	0.7	2.2	4.3	-0.1	
5	974.2	976.8	981.8	984.9	990.5	994.8	983.8	981.9	984.5	989.5	992.7	998.3	2.7	991.6	3.0	4.0	3.8	3.3	2.6	1.8	3.1	
6	998.1	0.4	1.7	999.8	999.1	995.6	999.1	6.0	8.3	9.5	7.6	6.9	3.5	7.0	2.1	2.2	4.7	5.9	4.6	2.3	3.6	
7	994.5	994.3	995.5	995.5	996.6	998.8	995.9	2.4	2.2	3.4	3.4	4.5	6.8	3.8	3.3	2.9	3.2	1.7	-0.1	-1.0	1.7	
8	999.7	999.8	0.4	0.1	3.5	5.2	1.5	7.8	7.9	8.4	8.1	11.6	13.3	9.5	-2.7	-3.4	-1.5	-1.2	-4.2	-4.3	-2.9	
9	7.1	7.9	8.3	8.7	11.0	12.9	9.3	15.2	16.1	16.4	16.8	19.1	21.1	17.5	-3.7	-3.2	-1.8	-0.5	-1.4	-1.8	-2.1	
10	14.4	14.6	16.7	13.0	9.6	3.9	12.0	22.6	22.7	24.8	21.0	17.6	11.9	20.1	-1.8	-1.0	1.3	2.6	0.5	1.7	0.6	
11	995.0	996.5	998.5	999.7	4.7	8.0	0.4	2.9	4.4	6.3	7.6	12.8	16.1	8.4	2.0	1.5	4.6	3.5	-0.7	-1.3	1.6	
12	9.3	9.7	13.1	12.8	15.4	16.4	12.8	17.4	17.8	21.2	20.8	23.5	24.6	20.9	-1.2	-1.4	0.5	1.6	-0.2	-2.8	-0.6	
13	16.4	14.8	13.9	5.5	0.7	994.9	7.7	24.7	23.1	22.2	13.6	8.7	2.8	15.9	-5.1	-6.6	-4.7	-1.0	-0.8	-0.5	-3.1	
14	995.2	999.1	2.8	0.2	4.0	3.7	0.8	3.1	7.1	10.9	8.3	12.2	11.9	8.9	1.4	-1.7	-2.4	-3.0	-4.8	-5.2	-2.6	
15	2.6	4.0	4.9	2.1	4.3	6.6	4.1	10.8	12.2	13.0	10.1	12.3	14.6	12.2	-4.9	-4.8	-1.1	-0.2	0.0	-0.1	-1.8	
16	7.8	8.5	9.8	8.1	7.6	6.7	8.1	15.9	16.7	18.0	16.1	15.7	14.8	16.2	-0.7	-5.4	-3.5	3.4	-0.7	-0.6	-1.2	
17	2.8	999.9	998.9	999.2	4.5	4.9	1.7	10.9	7.9	6.8	7.2	12.6	13.0	9.7	-1.2	-0.8	1.6	1.4	-1.6	-1.9	-0.4	
18	4.9	6.8	6.6	5.8	7.1	5.9	6.2	13.0	14.9	14.7	13.9	15.3	14.1	14.3	-2.9	-3.8	-2.8	-2.6	-5.8	-7.0	-4.1	
19	3.3	2.1	0.8	997.9	998.8	997.8	0.1	11.6	10.3	9.0	6.1	7.0	6.0	8.3	-7.8	-8.0	-6.5	-6.7	-7.8	-7.8	-7.4	
20	998.6	999.2	2.0	4.0	6.3	7.4	2.9	6.9	7.4	10.1	12.1	14.4	15.6	11.1	-10.9	-8.2	-3.5	-0.6	-3.4	-6.4	-5.5	
21	7.3	8.4	9.2	6.9	8.3	9.4	8.3	15.4	16.6	17.3	15.0	16.5	17.6	16.4	-4.4	-4.6	-2.0	-0.6	-5.1	-5.1	-3.6	
22	10.3	11.9	13.9	13.1	14.6	15.1	13.2	18.5	20.1	22.1	21.3	22.8	23.3	21.4	-4.4	-3.1	-1.9	-2.8	-4.1	-4.4	-3.4	
23	14.8	15.4	17.1	16.1	15.5	11.8	15.1	23.0	23.6	25.2	24.3	23.7	20.2	23.3	-4.1	-4.1	-1.1	-2.1	-3.5	-10.5	-4.2	
24	10.0	10.4	14.3	16.1	19.0	20.3	15.0	18.3	18.7	22.5	24.2	27.2	28.5	23.2	-6.9	-6.8	-2.2	-0.5	-2.1	-2.7	-3.5	
25	20.0	19.8	19.1	13.9	11.3	8.0	15.4	28.3	28.2	27.3	21.9	19.4	16.1	23.5	-5.1	-6.9	-1.5	1.6	0.4	0.3	-1.9	
26	6.9	7.7	6.3	3.1	2.9	2.5	4.9	14.9	15.8	14.4	11.1	11.0	10.6	13.0	-0.3	-1.4	-0.6	-0.5	-2.3	-3.2	-1.4	
27	2.4	3.1	3.9	2.9	5.8	6.6	4.1	10.5	11.2	12.0	11.0	13.9	14.8	12.2	-4.4	-4.4	-2.4	-2.3	-4.1	-4.8	-3.7	
28	7.8	8.8	8.7	6.7	6.5	4.8	7.2	16.0	17.0	16.9	14.8	14.6	12.9	15.4	-5.0	-5.4	-2.8	-1.0	-1.7	-3.2	-3.2	
29	3.2	2.3	0.7	996.6	997.6	999.5	0.0	11.4	10.6	8.7	4.8	5.6	7.5	8.1	-6.5	-9.7	-0.4	1.3	0.3	-1.3	-2.7	
30	2.4	5.0	8.6	8.0	10.1	10.7	7.5	10.5	13.2	16.8	16.2	18.3	18.9	15.7	-4.2	-5.4	-3.8	-2.6	-3.9	-6.2	-4.3	
31	10.1	8.9	8.4	5.5	6.4	7.5	7.8	18.5	17.2	16.6	13.5	14.4	15.5	16.0	-11.0	-9.4	-5.9	-0.2	1.7	0.9	-4.0	
Mean	4.8	5.4	6.3	4.6	5.5	5.3	5.3	12.9	13.5	14.4	12.6	13.6	13.4	13.4	-3.2	-3.7	-1.2	0.1	-1.6	-2.5	-2.0	

Day</th

JANUARY, 1966.

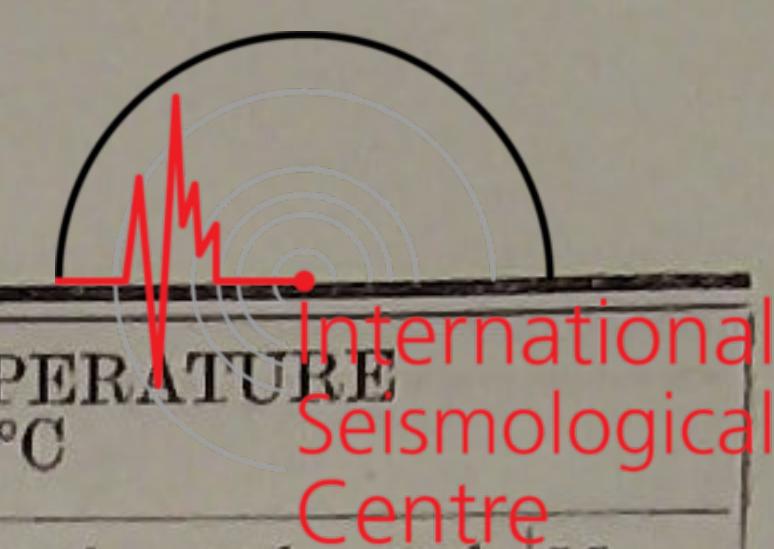


Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)							RELATIVE HUMIDITY (%)							AMOUNT OF CLOUD (0-10)			
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	-0.1	-4.7	4.6	3.7	4.1	4.5	3.7	3.9	4.0	4.0	76	88	80	64	81	81	78	10	7	10	9.0
2	1.3	-7.3	8.6	3.1	3.5	3.6	5.1	4.6	4.2	4.0	66	84	69	81	85	76	77	10	10	10	10.0
3	5.2	-4.7	9.9	3.7	4.2	5.6	4.5	5.1	5.0	4.7	74	90	81	52	77	89	77	10	7	10	9.0
4	4.3	-4.9	9.2	4.8	4.4	4.9	5.5	7.0	7.7	5.7	93	94	91	86	98	93	93	10	10	10	10.0
5	5.9	1.5	4.4	6.9	6.7	7.0	6.4	5.6	6.0	6.4	91	82	87	83	76	87	84	10	10	10	10.0
6	6.5	2.0	4.5	4.6	4.9	5.2	4.8	5.9	5.7	5.2	64	68	61	52	69	79	66	10	10	3	7.7
7	3.9	-2.1	6.0	4.9	5.9	5.8	5.4	3.8	4.2	5.0	63	78	76	79	63	74	72	2	10	10	7.3
8	1.1	-6.7	7.8	4.7	4.3	4.2	4.2	3.9	4.0	4.2	93	91	77	75	87	89	85	10	10	10	10.0
9	-0.3	-6.1	5.8	4.3	4.1	3.9	5.1	3.8	3.9	4.2	92	85	72	87	69	72	80	10	10	9	9.7
10	3.1	-2.4	5.5	4.3	4.2	4.5	4.9	5.2	6.1	4.9	80	73	67	67	82	88	76	10	10	10	10.0
11	5.1	-2.2	7.3	5.9	6.4	5.5	3.9	5.3	4.8	5.3	84	93	65	50	92	86	78	10	7	10	9.0
12	2.0	-4.8	6.8	4.0	3.8	3.8	4.5	4.2	3.9	4.0	71	69	60	65	69	78	69	5	8	0	4.3
13	1.8	-6.8	8.6	3.8	3.3	3.8	4.0	4.8	5.0	4.1	92	89	89	70	84	85	85	10	10	10	10.0
14	3.3	-5.6	8.9	5.4	4.0	2.9	4.3	4.1	3.9	4.1	80	74	57	87	95	93	81	9	6	10	8.3
15	0.5	-5.5	6.0	4.0	3.6	5.1	4.2	3.5	3.7	4.0	95	85	91	70	57	60	76	10	3	6	6.3
16	3.5	-7.5	11.0	2.9	2.6	3.3	3.4	4.2	4.9	3.6	50	64	70	44	73	83	64	4	7	10	7.0
17	3.7	-2.3	6.0	5.0	5.5	6.7	6.2	4.1	3.1	5.1	89	96	98	92	75	59	85	10	10	3	7.7
18	-1.9	-7.5	5.6	3.9	2.9	3.1	3.2	3.0	3.2	3.2	79	64	63	63	75	88	72	2	4	10	5.3
19	-6.1	-8.4	2.3	3.1	3.0	3.4	3.0	3.0	3.2	3.1	90	90	90	82	89	93	89	10	10	10	10.0
20	-0.3	-11.4	11.1	2.4	3.0	4.4	3.7	3.1	3.1	3.3	90	90	93	62	66	82	81	10	2	0	4.0
21	0.2	-9.1	9.3	3.9	4.0	4.1	3.5	3.8	3.9	3.9	89	91	78	59	92	93	84	10	0	10	6.7
22	-0.8	-5.7	4.9	4.0	3.3	3.6	4.3	4.3	3.5	3.8	91	67	67	86	96	79	81	10	10	10	10.0
23	-0.7	-11.8	11.1	3.7	4.0	3.8	4.2	3.4	2.4	3.6	81	88	68	81	71	87	79	10	10	10	10.0
24	-0.4	-8.0	7.6	3.3	3.4	3.6	3.7	3.7	3.5	3.5	91	94	69	62	70	70	76	10	6	3	6.3
25	1.8	-9.2	11.0	3.2	3.2	4.0	3.7	3.9	3.7	3.6	77	88	74	54	62	60	69	10	10	7	9.0
26	0.8	-3.9	4.7	4.8	4.7	4.6	4.5	4.6	4.4	4.6	80	86	78	76	89	91	83	10	10	10	10.0
27	-1.6	-5.0	3.4	4.0	4.0	3.9	3.6	3.1	3.7	3.7	90	91	76	69	69	87	80	10	10	10	10.0
28	0.3	-5.8	6.1	3.3	3.7	4.4	4.1	4.3	4.4	4.0	78	90	88	72	80	91	83	10	10	10	10.0
29	1.6	-10.0	11.6	3.5	2.7	5.0	6.4	6.2	5.3	4.9	92	91	84	95	99	95	93	6	10	10	8.7
30	-2.4	-8.5	6.1	3.7	2.8	2.9	2.9	3.4	3.1	3.1	82	68	63	57	75	80	71	8	10	10	9.3
31	2.9	-12.7	15.6	2.4	2.7	3.7	4.9	5.1	5.5	4.1	90	91	94	82	74	85	86	10	10	10	10.0

Day	PRECIPI-TATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)										WEATHER PHENOMENA					
			5 cm				10 cm				Daily Mean		20 cm				30 cm	
			6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean	20 cm	30 cm		
1	1.1	7	0.7	0.8	0.6	0.7	1.0	0.9	0.9	0.9	1.8	2.7	X ⁰ , □ ¹ , ☂					
2	0.3	6	0.6	0.8	0.8	0.7	0.8	0.9	0.9	0.9	1.8	2.7						

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

FEBRUARY, 1966.



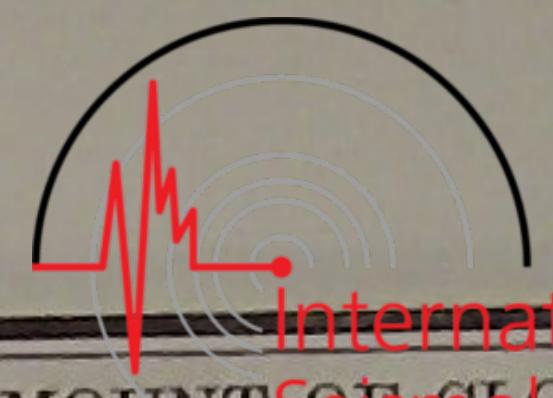
Day	STATION PRESSURE (1000 mb+)							M.S.L. PRESSURE (1000 mb+)							AIR TEMPERATURE °C						
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean
1	6.4	4.9	3.4	999.1	0.4	2.7	2.8	14.4	12.9	11.3	6.9	8.3	10.7	10.8	0.8	-0.2	3.1	7.2	2.8	2.2	2.7
2	4.4	7.5	8.6	7.4	7.5	7.3	7.1	12.4	15.6	16.6	15.4	15.6	15.5	15.2	0.2	-1.3	1.9	1.6	-1.4	-5.2	-0.7
3	4.7	1.9	999.5	992.1	992.4	994.7	997.6	12.9	10.0	7.5	999.8	0.2	2.6	5.5	-4.6	-4.4	0.8	6.3	4.7	1.6	0.7
4	997.6	996.7	999.6	998.6	999.3	998.6	998.4	5.6	4.7	7.5	6.6	7.3	6.7	6.4	-1.9	-2.1	1.9	0.5	-1.7	-4.0	-1.2
5	998.8	998.1	999.3	998.6	0.8	0.4	999.3	7.0	6.3	7.5	6.7	9.0	8.6	7.5	-6.3	-6.3	-5.8	-5.0	-6.5	-6.2	-6.0
6	999.5	999.8	0.4	0.5	2.8	4.0	1.2	7.7	8.0	8.5	8.6	11.0	12.3	9.4	-5.9	-6.2	-3.8	-3.4	-5.5	-7.8	-5.4
7	6.1	8.4	10.8	10.5	12.4	12.1	10.1	14.3	16.7	19.0	18.6	20.6	20.3	18.3	-6.9	-7.2	-4.5	-2.5	-2.9	-4.6	-4.8
8	12.2	10.3	10.1	7.3	6.3	4.2	8.4	20.4	18.4	18.1	15.2	14.3	12.2	16.4	-2.6	-2.4	1.2	3.3	2.0	2.1	0.6
9	2.4	5.1	8.4	9.4	11.8	10.9	8.0	10.3	13.0	16.4	17.3	19.8	19.0	16.0	3.3	3.0	2.6	4.0	1.9	-1.6	2.2
10	10.3	7.9	5.7	999.2	994.3	991.0	1.4	18.5	16.1	13.6	6.9	2.0	998.7	9.3	-3.2	-4.4	3.5	11.3	7.9	7.7	3.8
11	992.7	997.9	999.9	999.6	4.4	5.7	0.0	0.5	5.8	7.9	7.6	12.5	13.9	8.0	5.1	2.0	-0.3	0.2	-3.3	-4.8	-0.2
12	5.9	7.0	9.2	9.2	11.6	13.1	9.3	14.1	15.2	17.4	17.4	19.8	21.4	17.6	-6.1	-6.6	-6.1	-3.7	-4.3	-5.1	-5.3
13	11.6	8.7	5.7	3.1	3.2	2.1	5.7	19.9	16.9	13.7	11.1	11.2	10.1	13.8	-7.3	-5.0	1.4	1.6	0.2	-1.0	-1.7
14	1.8	2.9	6.3	9.1	10.1	10.8	6.8	9.9	11.0	14.5	17.4	18.4	19.0	15.0	-3.4	-3.5	-5.2	-6.8	-7.0	-5.2	-5.2
15	12.3	13.8	13.9	9.9	9.6	6.9	11.1	20.5	22.1	22.1	17.9	17.6	14.9	19.2	-6.0	-5.4	-2.3	2.4	0.6	-0.1	-1.8
16	3.4	5.1	8.4	9.8	12.0	13.6	8.7	11.4	13.0	16.3	17.7	20.0	21.7	16.7	1.0	3.7	5.3	3.5	1.7	-1.2	2.3
17	13.2	12.7	10.8	5.6	3.1	0.5	7.7	21.4	20.9	18.9	13.6	11.1	8.5	15.7	-2.5	-1.8	-0.6	0.7	0.6	0.0	-0.6
18	0.2	0.3	0.4	996.5	2.1	6.0	0.9	8.1	8.2	8.1	4.1	10.0	14.0	8.8	3.4	4.4	8.1	12.2	3.6	-0.5	5.2
19	8.3	12.3	15.1	16.1	18.1	20.7	15.1	16.4	20.4	23.2	24.2	26.2	28.9	23.2	-0.1	-1.2	0.0	1.3	-0.4	-1.5	-0.3
20	20.9	21.2	21.3	18.2	15.9	15.5	18.8	29.1	29.5	29.5	26.2	23.9	23.6	27.0	-3.4	-4.0	-1.1	3.1	1.8	0.7	-0.5
21	11.5	9.8	9.5	9.4	11.2	12.6	10.7	19.5	17.9	17.4	17.2	19.0	20.6	18.6	0.5	0.2	4.0	10.2	7.2	2.0	4.0
22	12.8	12.3	10.6	5.8	3.4	998.6	7.3	20.8	20.3	18.6	13.7	11.3	6.6	15.2	2.1	2.4	3.1	4.2	3.8	1.0	2.8
23	994.9	996.2	2.5	3.4	8.6	12.8	3.1	2.8	4.1	10.6	11.5	16.9	21.1	11.2	1.6	1.9	-1.2	-4.1	-6.7	-6.6	-2.5
24	14.5	17.1	18.8	19.3	21.1	22.8	18.9	22.8	25.4	27.0	27.4	29.3	31.0	27.2	-5.8	-5.1	-0.7	1.2	-0.9	-2.0	-2.2
25	23.2	22.9	21.8	18.4	17.6	16.5	20.1	31.5	31.2	30.0	26.4	25.6	24.6	28.2	-4.2	-4.8	-1.4	4.6	3.8	-1.0	-0.5
26	14.5	13.0	14.3	15.4	18.5	21.2	16.2	22.6	21.1	22.2	23.3	26.5	29.3	24.2	-1.4	-1.0	4.8	7.5	4.5	-0.2	2.4
27	21.1	21.1	20.4	15.9	12.9	7.8	16.5	29.3	29.3	28.5	23.8	20.9	15.7	24.6	-1.6	-3.2	1.1	5.3	4.3	3.8	1.6
28	3.2	2.4	3.3	2.9	6.0	7.8	4.3	11.1	10.3	11.1	10.6	13.8	15.7	12.1	3.9	3.8	6.4	8.5	6.0	3.7	5.4

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND														Duration of Sunshine in hours	Total Solar and Sky Radiation (cal./cm²)	
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean for 24 ^h	Maximum	Dir.	Vel.	(h)						
1	NE	0.8	NW	0.8	NNE	1.0	WNW	2.5	E	2.8	N	9.0	2.6	NNW	11.0	5.3	259
2	NNW	5.2	N	7.8	ESE	1.7	N	4.2	N	0.7	—	0.0	2.5	NNW	11.2	9.2	364
3	—	0.0	S	0.5	SE	1.3	S	6.0	WSW	2.3	NW	4.2	2.8	WNW	10.0	3.8	225
4	W	7.7	WNW	10.0	W	2.3	WNW	3.8	NE	1.2	NW	3.2	5.3	WNW	1		

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

FEBRUARY, 1966.

5

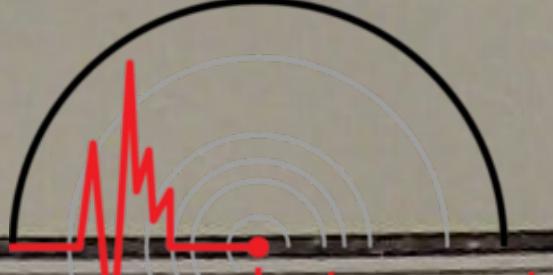


Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)							RELATIVE HUMIDITY (%)							AMOUNT OF CLOUD (0~10)			
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	8.5	-0.4	8.9	5.6	5.7	6.0	5.6	6.9	4.7	5.8	86	94	78	56	92	65	79	10	8	9	9.0
2	2.5	-6.0	8.5	3.7	3.3	3.4	3.3	3.4	3.6	3.5	60	59	48	48	61	86	60	3	0	8	3.7
3	7.0	-5.7	12.7	3.8	3.5	4.1	6.5	7.7	5.2	5.1	87	79	63	68	90	75	77	5	10	4	6.3
4	2.2	-5.3	7.5	4.0	3.3	3.3	3.4	4.4	3.7	3.7	75	62	47	54	82	82	67	2	9	10	7.0
5	-2.9	-7.3	4.4	2.8	3.4	3.5	3.7	3.0	2.5	3.2	72	89	87	87	80	64	80	10	10	2	7.3
6	-1.6	-7.9	6.3	2.8	3.4	3.5	2.9	3.7	2.8	3.2	72	89	75	61	90	83	78	10	7	8	8.3
7	-1.8	-7.8	6.0	3.2	2.5	3.0	3.5	3.8	3.5	3.3	89	71	68	69	78	81	76	10	10	10	10.0
8	3.8	-2.9	6.7	4.5	4.7	5.3	5.5	5.9	6.0	5.3	89	92	79	71	84	84	83	10	10	10	10.0
9	4.9	-2.6	7.5	5.4	4.7	5.7	3.9	3.6	4.0	4.6	70	62	77	48	52	74	64	5	0	3	2.7
10	12.1	-5.1	17.2	4.4	4.2	5.6	5.8	4.9	7.8	5.5	91	96	71	44	46	75	71	2	10	10	7.3
11	9.1	-5.8	14.9	6.0	4.8	4.3	4.0	3.7	2.5	4.2	68	68	72	65	78	59	68	10	10	10	10.0
12	-3.1	-6.8	3.7	3.3	3.4	2.9	2.9	2.8	3.3	3.1	85	91	75	62	62	80	76	10	6	10	8.7
13	3.1	-8.2	11.3	3.1	3.0	3.6	5.5	5.1	5.6	4.3	89	71	53	80	83	99	79	7	10	10	9.0
14	-1.4	-7.7	6.3	4.5	4.0	2.9	2.9	2.6	2.7	3.3	94	84	69	79	72	65	77	10	10	6	8.7
15	4.0	-6.6	10.6	2.8	3.3	4.1	4.3	4.1	4.8	3.9	72	82	80	59	65	79	73	10	0	5	5.0
16	5.9	-2.5	8.4	5.1	5.2	4.2	4.6	4.2	4.5	4.6	77	66	47	58	61	80	65	3	10	7	6.7
17	1.0	-2.8	3.8	4.6	4.7	5.6	6.1	6.2	5.9	5.5	90	87	95	95	97	96	93	10	10	4	8.0
18	12.2	-0.8	13.0	6.9	5.8	6.5	6.6	6.2	5.0	6.2	89	70	60	46	79	85	72	6	8	7	7.0
19	2.1	-2.8	4.9	3.5	3.5	3.6	4.0	4.2	3.8	3.8	58	62	59	60	70	69	63	8	8	0	5.3
20	3.2	-3.9	7.1	4.3	3.9	4.2	4.7	5.1	5.6	4.6	91	85	75	61	74	88	79	10	10	10	10.0
21	10.8	0.0	10.8	6.1	6.0	7.4	7.5	7.2	6.6	6.8	96	96	91	60	71	94	85	10	9	1	6.7
22	4.3	0.5	3.8	6.8	6.9	7.3	7.9	7.8	6.3	7.2	96	95	96	96	97	95	96	10	10	10	10.0
23	2.5	-7.4	9.9	6.4	5.4	4.3	3.7	3.2	2.6	4.3	94	77	77	81	87	70	81	10	10	10	10.0
24	2.5	-6.3	8.8	3.1	3.3	3.7	3.0	3.7	4.0	3.5	78	80	64	45	64	75	68	10	8	3	7.0
25	7.7	-5.3	13.0	3.7	3.9	4.7	5.5	6.2	5.4	4.9	83	91	86	65	77	95	83	10	10	0	6.7
26	8.5	-1.7	10.2	5.4	5.6	6.4	5.7	5.5	5.1	5.6	98	99	74	55	65	85	79	10	4	0	4.7
27	5.3	-3.3	8.6	4.8	4.4	5.5	6.2	7.1	7.7	6.0	88	91	83	69	86	95	85	1	10	10	7.0
28	9.5	1.2	8.3	7.7	7.7	9.5	9.4	5.3	5.7	7.6	96	95	99	85	57	71	84	10	10	5	8.3

Day	PRECIPITATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)										WEATHER PHENOMENA					
			5 cm				10 cm				Daily Mean		WEATHER PHENOMENA					
			6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean	20 cm	30 cm						
1	0.4	16	0.5	0.6	0.6	0.6	0.4	0.4	0.5	0.4	1.4	2.2	■ ⁰ , ● ⁰ , ☐					
2	—	15	0.6	0.7	0.5	0.6	0.5	0.5	0.5	0.5	1.4	2.2	■ ¹ , ☐					
3	2.6	14	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.3	2.2	■ ⁰ , ● ⁰ , ✖ ⁰ , ☐					
4	0.6	9	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.4	1.2	2.0	■ ¹ , ✖ ⁰ , ☐					
5	0.7	10	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	1.2	2.0	■ ¹ , ✖ ⁰ , ☐					
6	0.7	14	0.3	0.4	0.2	0.3	0.4</											

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

MARCH, 1966.



 International
 Seismological
 Centre

Day	STATION PRESSURE (1000 mb+)							M.S.L. PRESSURE (1000 mb+)							AIR TEMPERATURE °C						
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean
1	8.9	9.8	11.5	10.6	12.0	12.6	10.9	16.9	17.8	19.3	18.3	19.8	20.6	18.8	0.9	0.8	10.2	14.0	9.8	3.3	6.5
2	12.0	12.5	11.3	6.5	5.9	5.1	8.9	20.1	20.6	19.2	14.0	13.6	12.8	16.7	0.3	-1.3	5.9	16.0	12.2	8.7	7.0
3	4.5	5.0	5.4	2.7	3.4	3.7	4.1	12.3	12.8	13.1	10.2	11.0	11.4	11.8	7.1	6.5	11.2	17.0	14.4	11.8	11.3
4	2.8	2.6	2.4	0.0	998.5	995.3	0.3	10.5	10.4	10.0	7.5	6.1	3.0	7.9	9.9	8.2	12.7	16.9	13.9	9.1	11.8
5	987.0	985.6	989.0	998.0	3.4	9.3	995.4	994.6	993.2	995.7	5.9	11.4	17.4	3.2	9.0	10.4	8.1	1.6	0.4	-1.3	4.7
6	10.4	11.4	12.6	11.4	10.3	8.9	10.8	18.5	19.5	20.7	19.4	18.4	17.0	18.9	-1.6	-2.1	-0.5	1.1	0.1	-0.5	-0.7
7	6.8	5.2	3.4	999.8	0.6	3.6	3.2	14.9	13.3	11.4	7.7	8.6	11.7	11.3	-0.8	-1.1	0.0	1.6	0.0	-1.8	-0.4
8	5.7	7.6	9.9	8.6	9.9	12.2	9.0	13.8	15.7	17.9	16.6	17.9	20.3	17.0	-2.3	-2.0	0.6	3.3	1.0	-2.4	-0.3
9	12.8	13.5	14.6	12.4	12.6	12.4	13.1	21.0	21.7	22.6	20.3	20.6	20.5	21.1	-3.2	-1.7	2.0	3.9	2.3	-0.2	0.5
10	11.4	11.0	10.0	7.1	6.8	6.7	8.8	19.5	19.2	17.9	14.8	14.7	14.6	16.8	-1.8	-3.8	4.8	8.9	4.8	3.2	2.7
11	8.5	11.2	13.8	13.7	15.4	16.7	13.2	16.5	19.2	21.7	21.6	23.4	24.8	21.2	3.2	2.6	5.6	7.9	3.1	0.0	3.7
12	16.1	16.0	14.8	11.0	10.7	11.4	13.3	24.3	24.2	22.8	18.7	18.5	19.3	21.3	-1.7	-3.0	2.1	11.4	8.2	4.3	3.6
13	9.5	7.7	6.1	1.6	2.5	4.2	5.3	17.5	15.8	13.9	9.1	10.2	12.0	13.1	3.0	-0.4	7.9	17.2	12.1	6.8	7.8
14	3.7	5.7	6.4	5.9	8.6	10.8	6.9	11.6	13.6	14.3	13.7	16.6	18.9	14.8	3.8	2.6	5.4	6.6	1.5	0.0	3.3
15	11.9	12.6	12.2	9.2	7.7	5.6	9.9	20.0	20.8	20.1	17.0	15.6	13.6	17.9	-0.5	-2.7	4.0	7.3	4.0	2.3	2.4
16	997.6	989.7	984.2	981.5	984.6	989.4	987.8	5.6	997.6	992.0	989.2	992.3	997.2	995.7	1.1	0.6	2.0	4.3	4.4	4.2	2.8
17	992.5	995.2	995.9	997.0	2.7	6.3	998.3	0.3	3.1	3.7	4.8	10.7	14.4	6.2	3.6	3.3	5.0	3.7	0.7	-0.8	2.6
18	5.6	5.0	5.9	0.7	999.1	994.5	1.8	13.6	13.0	13.8	8.5	7.0	2.4	9.7	-0.4	-0.4	3.5	5.9	4.3	3.2	2.7
19	985.0	977.4	975.2	976.3	982.4	986.0	980.4	992.8	985.2	982.9	983.8	990.2	993.9	988.1	0.7	0.7	3.1	7.8	1.9	-0.4	2.3
20	986.0	988.7	990.0	988.9	990.3	993.3	989.5	993.9	995.6	997.8	995.8	993.2	1.3	997.4	-0.8	-1.3	2.0	-0.5	-1.2	-3.0	-0.8
21	991.7	994.2	998.1	998.5	2.1	3.8	998.1	999.7	2.2	6.1	6.5	10.1	11.9	6.1	-2.3	-1.8	-0.5	-0.4	-0.4	-1.1	-1.1
22	4.3	4.1	2.8	996.6	991.7	985.0	997.4	12.3	12.2	10.8	4.5	999.6	992.8	5.4	0.4	-3.4	2.3	2.6	1.0	1.0	0.7
23	933.4	984.2	987.1	987.8	989.7	993.8	987.7	991.2	991.9	994.6	995.4	997.4	1.7	995.4	1.7	7.4	11.4	11.4	7.3	3.1	7.1
24	994.7	997.2	997.6	997.5	998.6	998.1	997.3	2.6	5.1	5.3	5.4	6.6	6.1	5.2	2.5	2.6	7.5	4.0	1.2	0.3	3.0
25	998.5	999.6	999.4	997.9	0.3	3.4	999.9	6.5	7.6	7.4	5.8	8.2	11.4	7.8	-1.1	-1.3	0.8	2.9	2.0	0.3	0.6
26	3.3	4.2	7.2	8.2	11.4	13.3	7.9	11.3	12.2	15.1	16.1	19.4	21.4	15.9	0.3	1.5	3.7	4.8	3.0	1.3	2.4
27	13.4	14.7	15.3	14.4	15.2	16.8	15.0	21.5	22.8	23.2	22.2	23.1	24.8	22.9	1.0	-0.9	6.3	8.9	5.7	4.1	4.2
28	16.3	16.5	17.1	13.4	13.3	12.2	14.8	24.3	24.6	25.0	21.3	21.2	20.1	22.8	2.3	1.0	4.9	8.2	6.3	5.0	4.6
29	8.5	3.3	996.0	987.0	987.1	989.5	995.2	16.4	11.3	3.9	994.8	994.9	997.3	3.1	4.0	0.6	1.2	2.8	3.0	3.3	2.5
30	990.6	993.9	998.5	2.5	6.7	10.6	0.5	993.4	1.8	6.4	10.4	14.6	18.6	8.4	2.5	2.7	4.0	3.2	2.5	1.6	2.8
31	11.8	13.6	14.7	12.7	12.9	11.3	12.8	19.8	21.7	22.6	20.5	20.8	19.2	20.8	1.3	1.2	5.8	9.5	6.7	3.9	4.7
Mean	3.1	3.2	3.5	1.9	3.1	4.1	3.1	11.0	11.2	11.4	9.7	11.0	12.0	11.1	1.4	0.8	4.6	6.9	4.4	2.2	3.4

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND												Mean for 24^h	Maximum Dir.	Maximum Vel.	Duration of Sunshine in hours (h)	Total Solar and Sky Radiation (cal./cm²)
2^h	6^h	10^h	14^h	18^h	22^h	Dir.	Vel.										

<

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

MARCH, 1966.

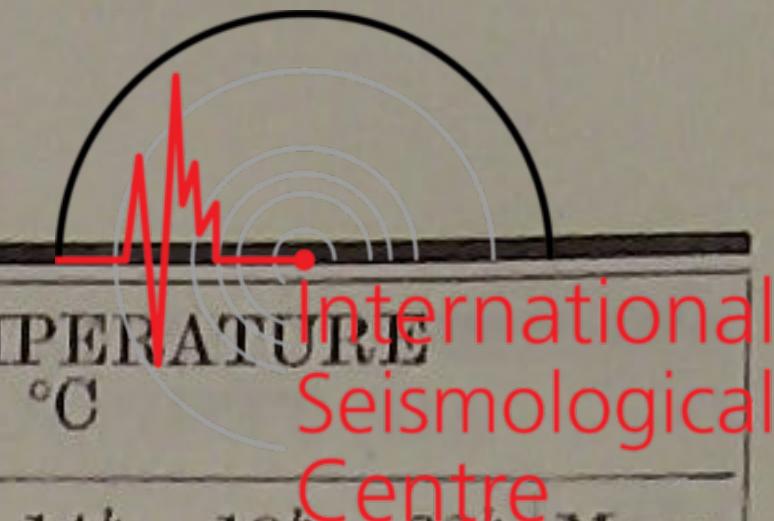


Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)							RELATIVE HUMIDITY (%)							AMOUNT OF CLOUD (0~10)			
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	14.1	0.0	14.1	5.9	5.8	7.7	8.1	7.8	6.9	7.0	91	90	62	51	64	89	75	4	10	0	4.7
2	17.0	-1.5	18.5	5.9	5.4	8.2	9.3	11.4	9.2	8.2	94	97	88	51	80	81	82	10	10	10	10.0
3	17.0	6.2	10.8	9.4	9.0	10.4	12.8	10.8	10.6	10.5	93	93	78	66	66	77	79	10	5	10	8.3
4	18.4	7.5	10.9	11.5	10.2	10.3	13.1	13.3	11.0	11.6	94	94	70	68	84	95	84	8	10	10	9.3
5	11.4	-1.8	13.2	11.0	11.6	7.2	6.4	4.8	4.1	7.5	96	92	67	93	76	73	83	10	10	10	10.0
6	1.9	-2.6	4.5	3.6	3.6	3.7	3.4	3.8	4.3	3.7	66	70	63	52	62	73	64	10	10	10	10.0
7	1.8	-2.3	4.1	4.3	4.2	3.8	4.0	3.9	2.9	3.9	75	75	63	58	64	54	65	10	10	10	10.0
8	3.3	-2.9	6.2	3.3	3.7	4.1	3.7	3.9	3.6	3.7	63	70	64	48	60	71	63	10	10	0	6.7
9	4.0	-3.6	7.6	4.0	4.2	5.0	4.9	4.6	5.3	4.7	84	78	71	60	64	87	74	9	10	10	9.7
10	9.6	-3.8	13.4	4.9	4.3	5.2	5.5	5.8	7.0	5.5	91	92	60	48	68	91	75	0	10	10	6.7
11	8.4	-1.5	9.9	4.5	3.9	3.5	4.1	3.7	4.0	4.0	58	53	38	38	49	65	50	1	3	5	3.0
12	12.0	-3.9	15.9	4.4	4.5	5.0	6.4	7.4	7.2	5.8	81	91	71	47	68	87	74	8	3	3	4.7
13	17.6	-0.6	18.2	7.2	5.7	9.2	9.5	7.1	8.2	7.8	95	96	86	48	50	83	76	10	4	4	6.0
14	7.5	-0.3	7.8	5.6	4.5	4.7	4.1	3.7	3.6	4.4	70	61	52	42	55	59	57	0	1	0	0.3
15	7.3	-2.7	10.0	3.2	3.5	3.7	3.5	3.7	3.8	3.6	55	70	45	34	46	53	51	0	10	10	6.7
16	6.5	0.2	6.3	6.3	6.2	6.9	7.8	7.1	6.1	6.7	95	97	98	94	85	74	91	10	10	10	10.0
17	7.1	-0.9	8.0	5.5	5.2	5.8	5.7	4.4	4.1	5.1	69	67	66	71	68	70	69	10	9	8	9.0
18	6.3	-0.8	7.1	3.6	3.9	4.6	4.7	4.8	5.5	4.5	61	67	59	51	58	71	61	2	10	10	7.3
19	10.7	-0.5	11.2	6.2	6.3	7.6	6.8	5.5	5.0	6.2	97	98	100	54	78	84	85	10	10	10	10.0
20	2.9	-3.5	6.4	5.5	5.0	5.1	5.6	5.5	4.5	5.2	96	90	72	96	99	91	91	10	10	10	10.0
21	1.1	-3.0	4.1	5.0	5.1	4.1	5.2	3.9	4.4	4.6	96	94	69	87	65	77	81	10	10	2	7.3
22	4.9	-3.5	8.4	3.6	3.8	4.8	6.4	6.3	6.3	5.2	58	81	67	87	96	96	81	7	10	10	9.0
23	13.7	1.3	12.4	6.8	8.2	8.2	6.7	7.7	4.3	7.0	99	79	61	50	75	56	70	4	10	0	4.7
24	8.1	0.1	8.0	4.5	4.2	4.0	6.8	6.2	5.3	5.2	62	57	39	84	93	84	70	7	10	10	9.0
25	4.1	-1.9	6.0	4.6	5.2	5.3	5.4	4.4	5.5	5.1	81	93	82	72	63	88	80	10	9	10	9.7
26	5.2	-0.1	5.3	5.3	4.6	5.0	4.8	4.9	5.8	5.1	85	67	63	56	64	86	70	10	10	10	10.0
27	10.3	-1.4	11.7	5.5	5.4	5.1	4.8	5.0	6.4	5.4	83	94	53	42	55	78	68	2	5	10	5.7
28	8.6	1.0	7.6	5.7	5.2	5.6	6.3	7.3	7.5	6.3	79	79	65	58	75	86	74	10	10	10	10.0
29	4.7	0.1	4.6	7.6	6.2	6.7	5.6	5.5	5.9	6.3	93	97	100	75	73	76	86	10	10	10	10.0
30	4.4	1.3	3.1	5.8	5.2	5.9	5.6	3.8	4.4	5.1	79	70	73	73	52	64	69	10	10	4	8.0
31	10.4	-1.2	11.6	4.6	4.4	4.8	4.7	5.8	5.8	5.0	68	66	52	40	59	72	60	1	8	10	6.3

Day	PRECIP. TATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)							WEATHER PHENOMENA									
			5 cm				10 cm			Daily Mean			20 cm				30 cm		
			6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean	20 cm	30 cm	20 cm	30 cm	20 cm	30 cm	20 cm	30 cm	
1	-	-	2.0	10.0	6.0	6.0	3.0	6.1	6.2	5.1	4.3	4.0	■ ⁰ , □ ⁰						
2	-	-	2.8	9.9	7.8	6.8	4.0	6.6</td											

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

APRIL, 1966.



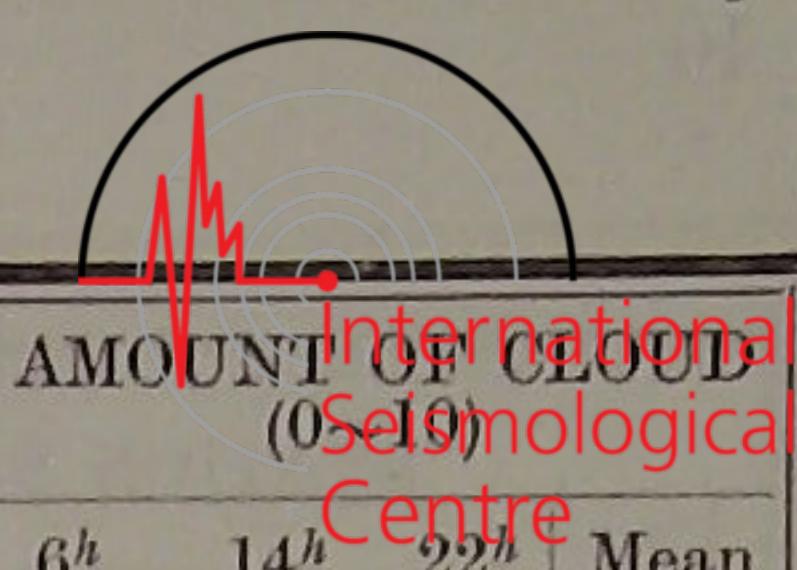
Day	STATION PRESSURE (1000 mb+)							M.S.L. PRESSURE (1000 mb+)							AIR TEMPERATURE °C						
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean
1	8.9	6.1	3.6	0.4	0.2	3.0	3.7	16.8	14.0	11.4	8.1	8.0	10.9	11.5	3.9	3.6	5.9	7.7	6.1	5.1	5.4
2	3.7	8.3	12.0	11.2	12.2	12.9	10.1	11.6	16.2	19.8	18.9	20.0	20.9	17.9	5.1	5.1	8.7	10.8	6.5	1.8	6.3
3	10.8	8.6	6.2	2.2	1.6	2.6	5.3	18.8	16.7	13.9	9.7	9.2	10.4	13.1	0.7	-0.4	10.6	17.5	12.6	8.2	8.2
4	3.1	5.3	5.8	3.8	4.6	7.0	4.9	10.9	13.2	13.6	11.6	12.5	15.0	12.8	6.2	3.9	5.7	5.5	3.1	0.4	4.1
5	8.6	10.3	12.8	12.8	14.8	17.5	12.8	16.7	18.4	20.8	20.7	22.8	25.6	20.8	-0.1	0.0	3.3	7.4	4.3	1.8	2.8
6	18.9	20.7	21.7	19.3	18.7	17.5	19.4	27.1	28.9	29.6	27.0	26.5	25.4	27.4	-1.5	-1.6	9.3	13.8	9.6	8.5	6.4
7	13.4	9.8	6.1	0.4	2.4	6.6	6.5	21.3	17.6	13.8	8.1	10.1	14.4	14.2	8.0	10.1	9.0	10.7	10.1	7.7	9.3
8	8.3	10.1	10.4	8.7	9.1	11.1	9.6	16.1	18.0	18.1	16.3	16.8	19.0	17.4	6.6	6.1	11.1	13.8	11.3	6.3	9.2
9	9.8	9.4	7.8	3.6	4.5	8.0	7.2	17.8	17.4	15.5	11.1	12.2	15.9	15.0	2.6	0.8	11.1	16.5	11.0	5.0	7.8
10	10.4	12.5	13.9	12.9	13.2	14.8	13.0	18.4	20.5	21.8	20.8	21.2	22.9	20.9	1.7	1.6	5.5	7.5	3.7	1.1	3.5
11	15.6	16.9	15.8	11.8	11.9	11.0	13.8	23.7	25.0	23.7	19.6	19.8	18.9	21.8	1.0	0.5	6.4	9.1	5.9	3.7	4.4
12	9.3	8.1	7.0	5.4	7.7	10.4	8.0	17.3	16.1	14.8	13.0	15.5	18.3	15.8	2.3	2.8	7.4	14.8	7.7	5.7	6.8
13	9.9	12.0	10.1	7.5	7.3	8.5	9.2	17.8	20.0	17.8	15.0	15.0	16.4	17.0	5.1	0.6	12.8	18.4	11.8	3.7	8.7
14	9.2	10.3	10.7	10.2	11.8	14.0	11.0	17.3	18.4	18.4	17.8	19.6	22.0	18.9	-0.7	-0.6	11.6	16.7	9.4	4.0	6.7
15	13.3	12.9	10.8	6.8	3.5	1.6	8.2	21.3	20.9	18.6	14.5	11.1	9.2	15.9	2.8	4.3	9.0	11.9	13.0	11.5	8.8
16	995.7	991.0	988.0	986.9	988.2	989.6	989.9	3.3	998.6	995.5	994.4	995.8	997.3	997.5	11.5	11.4	12.0	12.2	9.8	6.7	10.6
17	989.5	989.7	989.4	988.4	991.2	993.9	990.4	997.3	997.5	997.1	996.0	998.9	1.7	998.1	5.4	5.1	8.1	11.1	5.7	3.8	6.5
18	997.4	3.1	6.4	8.0	9.9	11.9	6.1	5.2	11.0	14.2	15.8	17.8	19.8	14.0	4.0	3.1	7.4	9.1	5.5	4.4	5.6
19	12.4	14.0	14.1	13.0	13.5	15.4	13.7	20.3	22.0	22.0	20.8	21.4	23.4	21.7	3.7	2.2	8.2	10.4	6.7	4.1	5.9
20	15.1	16.2	15.7	13.3	13.9	15.1	14.9	23.1	24.2	23.5	21.0	21.6	23.0	22.7	4.3	3.5	10.8	14.6	11.5	8.1	8.8
21	15.0	15.5	14.3	10.8	10.2	10.5	12.7	22.9	23.4	22.0	18.2	17.8	18.2	20.4	5.4	6.1	12.5	21.2	16.0	11.6	12.1
22	10.1	10.7	9.8	8.2	11.2	14.4	10.7	17.9	18.5	17.4	15.7	18.9	22.3	18.5	9.4	8.1	15.4	20.4	12.6	7.8	12.3
23	14.5	15.8	15.5	14.1	14.2	14.6	14.8	22.4	23.7	23.3	21.9	22.0	22.4	22.6	7.5	7.9	10.2	10.7	9.9	9.4	9.3
24	13.6	13.1	12.5	10.6	9.5	9.3	11.4	21.4	20.9	20.2	18.3	17.1	17.0	19.2	9.8	11.4	12.9	13.4	13.8	13.1	12.4
25	9.0	9.1	10.2	7.7	8.3	11.1	9.2	16.7	16.8	17.8	15.1	15.8	18.8	16.8	12.8	12.1	16.6	23.1	18.4	12.5	15.9
26	10.5	9.7	8.7	4.5	1.1	997.6	5.4	18.2	17.4	16.4	12.0	8.6	5.1	13.0	11.7	11.3	13.3	15.8	14.5	14.8	13.6
27	993.4	993.4	993.3	993.9	997.0	998.1	994.9	0.9	0.9	0.7	1.3	4.5	5.7	2.3	14.6	14.8	16.5	19.7	16.1	13.5	15.9
28	999.5	2.7	3.5	3.4	5.2	6.3	3.4	7.1	10.4	11.0	10.9	12.8	14.0	11.0	13.0	12.3	17.4	15.8	14.0	11.7	14.0
29	4.8	4.3	3.7	0.0	0.4	2.6	2.6	12.5	12.0	11.3	7.3	7.8	10.2	10.2	10.0	10.6	14.1	21.8	20.6	13.8	15.2
30	2.1	4.1	4.5	5.7	8.7	12.1	6.2	9.7	11.8	12.0	13.2	16.5	19.9	13.9	11.7	10.5	16.5	15.5	10.1	7.7	12.0

Mean	7.9	8.5	8.1	6.2	6.9	8.3	7.6	15.7	16.3	15.9	13.8	14.6	16.1	15.4	6.0	5.6	10.6	13.9	10.4	7.3	9.0
------	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	-----	-----	------	------	------	-----	-----

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND												Duration of Sunshine in hours (h)	Total Solar and Sky Radiation (cal./cm²)
2^h	6^h	10^h	14^h	18^h	22^h	Mean for 24^h	Maximum Dir.	Maximum Vel.						

<tbl_r cells="16" ix="3" max

APRIL, 1966.

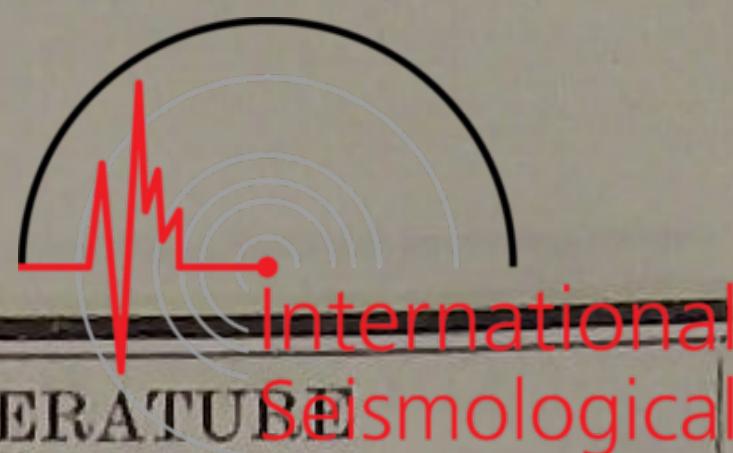


Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)						RELATIVE HUMIDITY (%)						AMOUNT OF CLOUD (0-10)					
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	8.9	3.2	5.7	6.6	7.2	8.0	8.0	6.8	6.4	7.2	82	91	86	76	72	73	80	10	10	10	10.0
2	11.3	1.5	9.8	6.3	6.2	5.8	5.5	6.4	5.8	6.0	72	70	52	42	66	84	64	6	0	10	5.3
3	18.3	-1.1	19.4	6.2	5.8	6.6	7.3	6.9	6.0	6.5	97	98	52	36	47	55	64	9	6	3	6.0
4	8.1	-1.8	9.9	7.0	4.6	4.3	4.4	4.6	4.0	4.8	74	57	47	48	60	63	58	10	10	0	6.7
5	7.7	-0.6	8.3	3.9	3.9	4.8	4.9	4.4	4.7	4.4	65	64	62	47	53	67	60	10	5	3	6.0
6	14.5	-3.3	17.8	5.0	4.9	4.7	3.9	7.9	7.8	5.7	91	91	40	25	66	70	64	6	0	10	5.3
7	11.1	5.7	5.4	8.9	8.8	11.4	11.7	8.9	8.2	9.7	83	71	99	91	72	78	82	10	10	9	9.7
8	13.9	3.4	10.5	7.5	6.7	6.6	7.3	8.6	7.2	7.3	77	72	50	46	64	76	64	10	10	2	7.3
9	16.6	-0.6	17.2	6.6	6.3	7.3	9.0	8.3	5.5	7.2	90	97	55	48	63	63	69	4	10	4	6.0
10	8.1	0.7	7.4	4.0	4.0	4.2	3.5	3.7	4.3	4.0	58	58	47	34	47	65	52	10	2	6	6.0
11	9.7	-2.1	11.8	3.7	3.8	3.7	3.3	3.5	5.5	3.9	56	60	39	28	38	68	48	8	10	10	9.3
12	14.9	0.9	14.0	5.4	5.4	6.7	6.8	6.5	6.3	6.2	75	72	65	40	62	68	64	10	7	0	5.7
13	19.3	-0.1	19.4	6.0	5.7	5.6	3.9	3.9	4.5	4.9	68	89	38	19	28	57	50	0	10	5	5.0
14	18.1	-2.1	20.2	5.3	5.6	4.0	7.4	7.9	6.9	6.2	92	96	29	39	67	85	68	6	0	0	2.0
15	14.0	2.2	11.8	6.7	7.4	8.8	9.8	11.4	12.2	9.4	90	90	77	71	76	90	82	10	10	10	10.0
16	14.1	6.0	8.1	12.3	12.9	14.0	9.3	7.9	7.2	10.6	91	95	100	65	65	74	82	10	10	4	8.0
17	11.2	3.7	7.5	7.2	6.8	8.0	7.6	6.4	6.2	7.0	80	77	74	58	70	78	73	10	9	10	9.7
18	10.0	2.6	7.4	6.7	5.5	6.3	6.4	5.2	5.2	5.9	83	72	61	55	58	62	65	6	6	10	7.3
19	10.8	0.1	10.7	4.7	5.3	4.9	5.1	5.6	6.1	5.3	59	74	45	40	57	75	58	2	8	10	6.7
20	16.1	3.3	12.8	6.4	6.5	8.0	7.0	9.4	9.4	7.8	77	83	62	42	69	87	70	10	5	0	5.0
21	22.5	4.7	17.8	7.8	8.5	10.3	8.8	10.9	12.0	9.7	87	90	71	35	60	88	72	10	0	10	6.7
22	21.4	6.2	15.2	10.5	9.7	11.7	9.1	10.4	8.4	10.0	89	90	67	38	71	80	73	10	10	6	8.7
23	10.9	6.7	4.2	8.5	8.5	9.3	10.6	11.3	11.2	9.9	82	79	75	83	93	95	85	10	10	10	10.0
24	14.4	9.2	5.2	11.6	12.9	14.0	14.9	15.3	14.4	13.9	96	95	94	97	97	96	96	10	10	10	10.0
25	23.1	11.7	11.4	14.2	13.5	14.9	14.4	15.4	13.4	14.3	96	95	79	51	73	92	81	10	5	10	8.3
26	16.2	10.8	5.4	12.9	12.6	14.4	15.0	15.3	16.1	14.4	94	94	94	83	93	96	92	10	10	10	10.0
27	19.7	13.2	6.5	16.3	16.1	18.0	17.0	14.3	13.2	15.8	98	96	96	74	78	85	88	10	10	10	10.0
28	18.7	10.8	7.9	12.9	12.0	12.1	12.8	12.0	11.9	12.3	86	84	61	71	75	87	77	10	6	10	8.7
29	23.4	9.5	13.9	11.8	12.3	12.9	16.0	13.3	12.4	13.1	96	96	80	61	55	78	78	10	10	9	9.7
30	16.9	6.1	10.8	9.6	6.8	6.9	7.1	6.7	6.4	7.3	70	53	37	41	54	61	53	9	7	8	8.0

Day	PRECIPITATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)								WEATHER PHENOMENA						
			5 cm				10 cm										
			6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean	20 cm	30 cm					
1	0.6		4.6	6.9	5.1	5.5	5.1	6.2	5.9	5.7	5.4	5.4	● ⁰				
2	0.0		4.1	10.4	6.4	7.0	4.9	7.7	7.2	6.6	6.0	5.6	□ ⁰				
3	-		3.7	12.6	8.6	8.3	5.0	8.9	9.0	7.6	6.8	6.3	□ ¹ , □ ⁰				
4	-		5.9	7.1	4.4	5.8	6.9	7.0	5.9	6.6	6.9	6.7	□<				

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

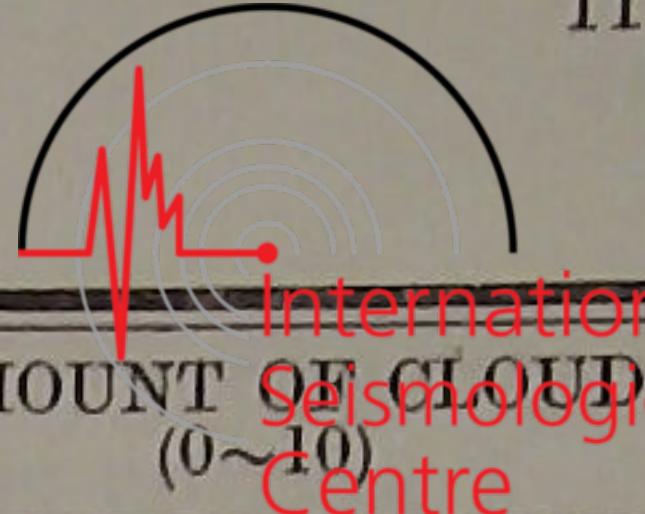
MAY, 1966.



Day	STATION PRESSURE (1000 mb+)							M.S.L. PRESSURE (1000 mb+)							AIR TEMPERATURE °C						
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean
1	13.3	17.4	16.3	13.7	14.3	15.9	15.2	21.2	25.3	24.0	21.3	22.0	23.7	22.9	7.1	5.9	12.8	18.4	12.4	9.1	11.0
2	14.1	13.1	10.2	5.1	0.4	994.8	6.3	22.0	21.0	17.9	12.7	7.9	2.4	14.0	7.7	6.6	13.2	14.5	14.5	13.3	11.6
3	985.9	983.6	985.2	984.2	988.2	990.1	986.2	993.4	991.1	992.6	991.6	995.7	997.7	993.7	12.5	12.4	14.1	14.9	11.8	9.5	12.5
4	990.8	992.5	996.3	998.2	2.0	6.0	997.6	998.5	0.1	3.9	5.7	9.7	13.9	5.3	8.4	10.4	12.0	14.6	7.9	5.1	9.7
5	7.4	10.0	12.7	11.9	12.6	15.6	11.7	15.3	17.8	20.5	19.5	20.3	23.5	19.5	4.9	6.9	10.5	14.3	11.8	5.0	8.9
6	16.4	16.6	15.3	12.9	12.4	13.0	14.4	24.4	24.5	23.0	20.4	19.9	20.7	22.2	3.8	5.7	14.5	19.5	18.1	11.6	12.2
7	12.4	12.7	10.9	7.0	5.8	5.1	9.0	20.2	20.6	18.4	14.3	13.3	12.6	16.6	8.2	7.4	18.7	24.0	17.4	16.1	15.3
8	0.1	990.4	985.2	987.3	989.5	994.0	991.1	7.7	997.9	992.6	994.6	996.9	1.6	998.6	14.0	13.3	14.8	18.4	16.7	11.7	14.8
9	996.3	998.6	998.2	998.6	0.9	0.6	998.9	3.9	6.2	5.7	6.0	8.5	8.3	6.4	11.8	12.6	16.4	18.6	11.8	8.7	13.3
10	998.6	998.0	995.2	993.4	993.0	991.6	995.0	6.3	5.7	2.5	0.6	0.4	999.0	2.4	8.3	9.7	22.5	24.9	20.4	15.9	17.0
11	993.4	996.3	996.2	997.0	999.4	3.6	997.7	1.0	3.9	3.6	4.4	7.0	11.3	5.2	10.2	9.7	17.1	19.1	13.4	9.1	13.1
12	5.3	8.6	8.9	6.2	7.3	9.0	7.6	13.1	16.4	16.5	13.6	14.9	16.8	15.2	7.7	7.5	14.4	19.8	13.3	7.9	11.8
13	7.3	6.5	5.4	4.7	6.5	8.6	6.5	15.1	14.3	12.9	12.0	13.9	16.3	14.1	6.8	8.1	18.6	22.7	19.7	12.3	14.7
14	8.6	9.9	8.6	5.5	3.8	3.4	6.6	16.4	17.7	16.1	12.9	11.3	11.0	14.2	8.8	9.1	18.4	21.1	17.5	13.7	14.8
15	1.2	999.0	997.1	994.1	993.5	995.0	996.7	8.8	6.6	4.6	1.6	1.0	2.6	4.2	13.3	13.1	14.1	14.7	14.4	13.2	13.8
16	996.1	997.6	999.9	0.0	1.9	4.2	0.0	3.7	5.2	7.5	7.6	9.6	11.9	7.6	11.6	11.9	12.4	14.1	11.2	9.3	11.8
17	5.4	7.9	10.0	9.6	10.4	12.6	9.3	13.2	15.7	17.7	17.3	18.1	20.5	17.1	8.3	10.0	11.7	12.1	11.6	7.3	10.2
18	13.2	14.7	13.8	12.3	12.3	14.3	13.4	21.2	22.6	21.4	19.7	19.7	22.1	21.1	4.0	6.6	17.6	23.6	21.3	11.4	14.1
19	14.3	14.7	13.5	11.0	11.0	13.0	12.9	22.1	22.5	21.0	18.2	18.4	20.7	20.5	8.7	10.3	21.1	28.6	24.0	14.2	17.8
20	13.1	14.0	13.2	10.9	11.2	13.2	12.6	20.9	21.7	20.6	18.1	18.6	20.9	20.1	10.5	11.6	21.5	28.1	22.6	13.9	18.0
21	13.0	13.9	12.4	11.3	12.5	13.7	12.8	20.8	21.6	19.8	18.7	20.1	21.4	20.4	10.2	11.9	21.2	22.9	16.8	14.4	16.2
22	12.2	12.2	12.0	10.4	9.3	9.6	11.0	19.9	19.8	19.6	18.0	17.0	17.3	18.6	13.3	13.5	16.1	15.1	13.0	10.8	13.6
23	7.7	7.5	7.5	5.9	5.0	5.0	6.4	15.5	15.3	15.2	13.6	12.7	12.8	14.2	9.3	8.9	11.3	12.3	10.5	8.3	10.1
24	3.8	3.6	3.3	1.9	2.0	3.2	3.0	11.5	11.4	11.0	9.5	9.6	10.9	10.7	8.6	8.3	11.6	13.7	11.8	10.3	10.7
25	2.5	3.0	2.3	1.4	2.6	3.8	2.6	10.2	10.7	9.8	8.9	10.2	11.4	10.2	11.7	11.7	15.9	16.9	14.9	13.0	14.0
26	3.4	5.2	4.6	2.8	4.5	7.1	4.6	11.1	12.8	12.1	10.1	11.9	14.7	12.1	11.2	12.9	19.4	24.8	20.4	13.1	17.0
27	7.6	9.2	8.8	6.7	7.5	7.9	8.0	15.3	16.9	16.3	14.0	14.9	15.5	15.5	12.0	12.4	20.3	26.4	22.2	15.2	18.1
28	8.2	8.9	6.6	4.0	4.8	5.7	6.4	15.9	16.6	14.0	11.2	12.1	13.2	13.8	12.0	12.5	21.0	26.8	22.6	18.2	18.9
29	4.5	5.0	4.2	2.6	2.3	1.8	3.4	12.0	12.6	11.7	10.0	9.8	9.4	10.9	15.8	15.1	19.2	21.0	17.0	14.3	17.1
30	998.9	997.7	998.1	998.4	0.2	1.6	999.2	6.5	5.3	5.6	5.8	7.7	9.2	6.7	13.6	13.9	15.6	18.9	16.9	13.3	15.4
31	3.9	6.6	7.0	5.9	5.5	6.8	6.0	11.6	14.3	14.5	13.3	12.9	14.4	13.5	12.1	12.3	17.0	20.4	20.9	13.6	16.1
Mean	5.1	5.6	5.1	3.7	4.3	5.5	4.9	12.9	13.4	12.7	11.1	11.8	13.2	12.5	9.9	10.4	16.3	19.5	16.1	11.7	14.0

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND												Mean for 24^h	Maximum Dir.	Maximum Vel.	Duration of Sunshine in hours (h)	Total Solar and Sky Radiation (cal./cm²)		
2^h	6^h	10^h	14^h	18^h	22^h	SSE	SSW	SW	NW	NE	ENE	WNW	W	S	E	N	WNW	W	NE
</tbl_info

MAY, 1966.



Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)							RELATIVE HUMIDITY (%)							AMOUNT OF CLOUD (0~10)			
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	18.5	1.1	17.4	6.2	6.6	5.6	5.5	7.3	9.6	6.8	62	71	38	26	51	83	55	0	0	9	3.0
2	15.5	3.9	11.6	9.1	8.8	10.2	12.0	13.2	14.4	11.3	87	90	67	73	80	95	82	1	10	10	7.0
3	15.2	9.0	6.2	14.1	13.9	13.2	10.7	8.0	7.6	11.3	97	97	82	63	58	64	77	10	10	10	10.0
4	14.9	4.2	10.7	8.7	7.5	8.4	7.9	7.6	7.4	7.9	79	60	60	48	71	84	67	3	9	1	4.3
5	15.7	3.3	12.4	6.6	6.6	7.2	6.6	6.6	7.1	6.8	76	66	57	41	48	81	62	3	0	0	1.0
6	20.3	2.8	17.5	7.2	7.2	10.7	12.0	12.9	12.7	10.5	90	79	65	53	62	93	74	10	10	10	10.0
7	24.5	6.2	18.3	10.5	10.2	14.9	14.7	15.7	15.1	13.5	97	99	69	49	79	82	79	10	10	10	10.0
8	20.5	11.3	9.2	15.2	14.8	16.8	14.1	12.7	8.3	13.7	95	97	100	67	67	60	81	10	10	1	7.0
9	19.7	8.7	11.0	8.2	8.5	12.7	10.9	11.6	10.4	10.4	59	59	68	51	84	93	69	0	10	10	6.7
10	25.0	7.0	18.0	10.3	11.0	11.2	12.1	10.1	12.7	11.2	94	92	41	39	42	70	63	9	10	10	9.7
11	19.2	8.7	10.5	11.4	10.7	8.8	9.0	7.4	7.9	9.2	92	89	45	41	48	69	64	10	3	0	4.3
12	20.1	3.5	16.6	7.2	7.2	6.2	7.9	7.5	8.7	7.5	69	69	38	34	49	82	57	0	3	0	1.0
13	24.5	4.8	19.7	8.7	9.6	11.4	13.5	11.9	11.5	11.1	88	88	53	49	52	80	68	0	3	0	1.0
14	21.5	6.6	14.9	10.1	10.6	11.2	12.6	10.8	12.3	11.3	89	91	53	50	54	78	69	10	10	10	10.0
15	15.1	12.6	2.5	13.6	13.9	14.6	15.9	15.7	13.7	14.6	89	93	91	95	96	90	92	10	10	10	10.0
16	14.5	8.5	6.0	11.9	10.7	10.4	11.2	10.2	9.4	10.6	87	77	72	70	77	81	77	10	6	4	6.7
17	14.8	5.3	9.5	10.0	9.7	9.5	8.6	8.5	8.2	9.1	91	79	69	61	62	80	74	9	4	1	4.7
18	24.4	2.7	21.7	7.4	8.6	10.5	11.6	11.9	11.9	10.3	91	88	52	40	47	89	68	0	0	0	0.0
19	28.7	6.7	22.0	10.2	10.6	13.0	11.2	12.2	13.5	11.8	91	85	52	29	41	83	64	0	0	0	0.0
20	28.4	8.5	19.9	11.3	10.0	11.3	11.2	8.2	11.6	10.6	89	73	44	29	30	73	56	0	0	0	0.0
21	24.1	9.1	15.0	11.1	11.8	13.1	14.3	14.5	13.9	13.1	89	84	52	51	76	85	73	9	10	10	9.7
22	16.3	10.3	6.0	13.6	13.0	12.3	12.4	11.8	12.2	12.6	89	84	67	73	79	94	81	10	10	10	10.0
23	12.7	7.9	4.8	11.0	9.3	8.2	7.7	6.1	8.2	8.4	94	81	61	54	48	75	69	10	10	10	10.0
24	14.1	7.5	6.6	7.5	7.8	9.0	10.0	9.1	10.6	9.0	67	71	66	64	66	85	70	10	10	10	10.0
25	18.4	11.1	7.3	9.6	10.0	10.7	11.3	10.8	11.0	10.6	70	73	59	58	64	74	66	10	10	10	10.0
26	24.9	9.4	15.5	11.3	10.9	12.2	14.8	12.2	12.0	12.2	85	74	54	47	51	80	65	5	1	0	2.0
27	26.9	10.3	16.6	10.9	10.7	11.4	9.1	9.1	14.2	10.9	78	74	48	26	34	82	57	0	10	10	6.7
28	28.0	9.6	18.4	12.1	11.1	11.9	13.0	12.6	13.5	12.4	86	76	48	37	46	65	60	9	10	10	9.7
29	21.5	14.2	7.3	14.4	14.6	15.6	13.4	18.2	15.1	15.2	80	85	70	54	94	93	79	10	10	10	10.0
30	20.2	12.3	7.9	14.8	15.4	14.9	14.1	11.5	11.1	13.6	95	97	84	65	60	73	79	10	7	2	6.3
31	22.2	11.3	10.9	11.1	11.0	11.6	12.4	12.8	12.2	11.9	79	77	60	52	52	78	66	10	5	0	5.0
Mean	20.3	7.7	12.6	10.5	10.4	11.2	11.3	10.9	11.2	10.9	85	81	61	51	60	80	70	6.4	6.8	5.7	6.3

Day	PRECIPITATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)							WEATHER PHENOMENA			
			5 cm			10 cm			Daily Mean				
			6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean	20 cm	30 cm	
1	—	9.2	18.4	13.5	13.7	11.5	15.0	14.3					

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA,

JUNE, 1966.



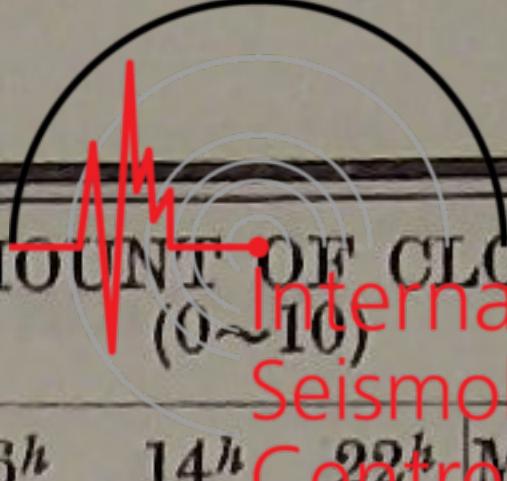
Day	STATION PRESSURE (1000 mb+)							M.S.L. PRESSURE (1000mb+)							AIR TEMPERATURE °C						
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean
1	6.6	7.9	7.5	5.9	5.9	6.1	6.7	14.3	15.6	15.1	13.4	13.4	13.7	14.3	11.2	12.1	17.0	18.7	15.7	13.1	14.6
2	4.1	4.5	4.3	3.2	4.2	5.8	4.4	11.7	12.1	11.8	10.7	11.8	13.5	11.9	12.6	12.7	16.1	17.4	13.0	10.5	13.7
3	5.5	7.1	7.9	6.5	7.0	8.1	7.0	13.2	14.8	15.6	14.0	14.6	15.8	14.7	10.2	10.0	13.2	16.3	13.8	11.9	12.6
4	7.2	7.0	6.0	4.2	1.8	1.2	4.6	14.9	14.7	13.6	11.8	9.4	8.8	12.2	11.2	11.5	13.3	13.5	13.4	11.7	12.4
5	998.0	999.8	1.9	3.6	5.0	7.1	2.6	5.7	7.4	9.5	11.2	12.6	14.7	10.2	11.4	12.0	13.5	13.9	13.8	12.7	12.9
6	7.0	8.0	7.7	7.2	5.6	6.4	7.0	14.7	15.7	15.3	14.7	13.1	13.9	14.6	12.2	12.5	15.1	16.3	18.1	16.7	15.2
7	5.6	6.6	6.2	6.1	7.4	9.2	6.9	13.1	14.1	13.6	13.5	14.9	16.8	14.3	15.5	15.9	19.5	21.2	18.1	13.9	17.4
8	8.6	10.1	10.7	9.2	9.5	11.1	9.9	16.3	17.7	18.2	16.6	17.0	18.7	17.4	12.4	15.1	18.3	21.7	20.0	14.1	16.9
9	10.0	10.6	10.1	8.4	7.1	5.1	8.6	17.7	18.3	17.7	16.0	14.7	12.7	16.2	12.4	13.3	16.7	16.2	15.1	13.3	14.5
10	2.2	999.8	1.0	998.8	998.6	999.7	0.0	9.9	7.5	8.7	6.4	6.3	7.4	7.7	10.9	10.6	9.5	12.0	11.2	10.3	10.8
11	0.3	2.7	4.5	5.6	7.8	9.7	5.1	8.0	10.4	12.2	13.3	15.5	17.5	12.8	9.7	8.9	10.7	11.5	10.9	9.6	10.2
12	9.6	11.4	11.3	9.0	9.0	11.4	10.3	17.4	19.2	18.9	16.4	16.5	19.1	17.9	8.5	8.4	15.9	20.8	17.6	11.6	13.8
13	10.8	11.1	9.3	7.3	7.1	8.5	9.0	18.6	18.9	16.8	14.6	14.5	16.1	16.6	7.9	10.0	17.7	23.1	20.2	14.7	15.6
14	7.0	7.9	7.1	5.2	4.8	7.1	6.5	14.7	15.6	14.5	12.4	12.1	14.6	14.0	10.8	12.1	21.0	27.0	23.1	16.1	18.4
15	6.8	7.4	6.9	5.9	6.2	7.7	6.8	14.4	15.0	14.3	13.1	13.6	15.3	14.3	13.4	14.3	20.6	26.7	21.3	17.0	18.9
16	6.8	6.8	7.9	6.6	6.2	5.4	6.6	14.3	14.3	15.4	14.1	13.7	12.9	14.1	17.4	17.6	18.6	17.9	17.8	16.7	17.7
17	3.8	3.8	2.4	1.7	1.6	2.8	2.7	11.3	11.3	9.9	9.1	9.0	10.3	10.2	15.8	16.2	18.3	20.7	19.2	17.7	18.0
18	2.8	3.4	3.7	3.1	3.5	5.5	3.7	10.3	10.9	11.1	10.5	10.9	13.0	11.1	16.9	17.1	20.1	21.9	20.0	17.5	18.9
19	5.7	7.0	6.9	6.7	6.8	7.7	6.8	13.2	14.5	14.3	14.1	14.3	15.3	14.3	16.2	16.8	19.5	19.6	18.1	16.9	17.9
20	5.7	4.5	2.4	0.8	998.6	998.5	1.8	13.2	12.0	9.8	8.2	6.0	5.9	9.2	17.0	17.8	19.4	18.9	18.8	18.5	18.4
21	0.1	2.1	3.3	3.1	3.3	5.2	2.9	7.6	9.6	10.7	10.4	10.6	12.7	10.3	17.4	17.0	22.3	24.5	23.3	18.6	20.5
22	6.0	7.1	5.7	4.0	3.6	6.3	5.5	13.6	14.6	13.0	11.2	10.9	13.7	12.8	15.4	16.3	22.9	28.3	24.2	20.2	21.2
23	5.4	5.9	5.6	3.8	5.3	6.7	5.5	12.9	13.4	12.9	11.0	12.8	14.2	12.9	18.3	18.0	24.3	27.8	19.3	18.1	21.0
24	6.9	7.7	7.3	5.8	5.2	6.3	6.5	14.4	15.2	14.7	13.1	12.6	13.8	14.0	17.6	17.8	21.9	24.4	22.2	18.1	20.3
25	4.3	3.3	2.8	2.4	2.3	1.8	2.8	11.8	10.8	10.3	9.9	9.7	9.2	10.3	17.5	17.1	18.0	18.3	19.0	18.5	18.1
26	999.8	998.9	997.5	997.5	997.0	997.8	998.1	7.3	6.4	4.9	4.8	4.2	5.1	5.5	18.1	18.0	19.5	24.5	24.9	22.3	21.2
27	997.3	999.2	998.7	997.9	999.0	0.0	998.7	4.6	6.5	6.0	5.1	6.3	7.4	6.0	20.8	23.5	25.0	26.1	25.0	19.2	23.3
28	998.8	998.3	997.3	995.1	991.3	986.2	994.5	6.3	5.8	4.7	2.5	998.8	993.7	2.0	18.3	18.4	20.0	19.7	15.4	11.7	17.3
29	982.8	985.7	990.7	992.7	996.0	998.2	991.0	990.3	993.1	998.0	0.0	3.4	5.7	998.4	11.8	15.5	20.4	21.6	17.3	14.9	16.9
30	998.7	1.0	1.0	999.4	0.0	1.4	0.3	6.2	8.5	8.4	6.7	7.4	9.0	7.7	14.6	16.0	20.5	22.0	19.2	14.1	17.7

Mean	3.8	4.6	4.5	3.6	3.6	4.5	4.1	11.4	12.1	12.0	11.0	11.0	12.0	11.6	14.1	14.8	18.3	20.4	18.3	15.3	16.9
------	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND										Duration of Sunshine in hours (h)		Total Solar and Sky Radiation (cal./cm²)	
2^h	6^h	10^h	14^h	18^h	22^h	Mean 24^h	Maximum Dir.	Maximum Vel.						

<tbl_r cells="9" ix

JUNE, 1966.



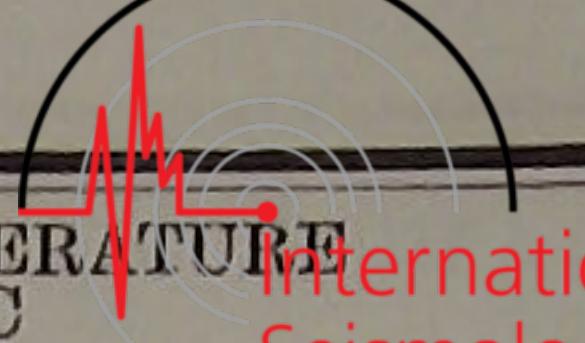
 International Seismological Centre

Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)						RELATIVE HUMIDITY (%)						AMOUNT OF CLOUD (0~10)					
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	20.3	10.2	10.1	12.2	13.2	14.9	14.6	13.7	13.0	13.6	92	93	77	68	77	86	82	10	10	10	10.0
2	19.1	10.2	8.9	13.1	13.1	12.8	13.7	11.8	10.5	12.5	90	89	70	69	79	83	80	10	4	10	8.0
3	17.6	9.6	8.0	10.6	11.1	12.3	12.8	12.9	12.5	12.0	85	91	81	69	82	90	83	10	9	10	9.7
4	13.7	10.9	2.8	12.1	12.0	12.8	13.0	12.3	13.1	12.6	91	89	84	84	80	95	87	10	10	10	10.0
5	15.0	11.1	3.9	13.1	13.5	13.0	14.4	13.4	13.1	13.4	97	97	84	91	85	89	91	10	10	10	10.0
6	18.7	11.8	6.9	13.6	14.0	15.4	16.9	17.6	17.9	15.9	96	97	90	91	85	94	92	10	10	10	10.0
7	23.2	12.7	10.5	17.1	17.5	16.1	15.3	13.7	13.1	15.5	97	97	71	61	66	82	79	10	3	4	5.7
8	22.8	10.5	12.3	13.2	13.9	13.0	13.8	15.2	14.4	13.9	92	81	62	53	65	90	74	4	3	0	2.3
9	16.7	11.7	5.0	13.4	14.4	16.5	14.9	14.7	12.5	14.4	93	95	87	81	86	82	87	10	10	10	10.0
10	13.3	9.5	3.8	11.7	11.3	11.4	11.7	10.6	9.5	11.0	90	88	96	83	80	76	86	10	10	10	10.0
11	11.5	8.5	3.0	9.3	8.6	9.4	8.7	8.3	8.7	8.8	77	76	73	64	64	73	71	10	10	10	10.0
12	22.4	5.1	17.3	10.0	9.4	9.0	8.9	13.1	9.0	9.9	90	85	50	36	65	66	65	0	0	0	0.0
13	23.9	6.3	17.6	9.5	11.2	11.1	11.6	15.1	12.9	11.9	89	92	55	41	64	77	70	6	6	2	4.7
14	27.7	9.3	18.4	11.9	11.0	11.2	13.3	11.3	13.9	12.1	92	78	45	37	40	76	61	3	8	0	3.7
15	26.7	12.0	14.7	14.0	13.5	13.3	17.9	19.0	16.6	15.7	91	83	55	51	75	86	74	10	10	10	10.0
16	19.4	16.1	3.3	17.5	18.2	18.8	17.1	18.7	16.8	17.9	88	91	88	83	92	88	88	10	10	10	10.0
17	21.5	15.5	6.0	16.7	16.6	16.8	18.6	18.2	18.2	17.5	93	90	80	76	82	90	85	10	10	10	10.0
18	23.0	16.3	6.7	17.9	18.4	18.6	19.8	16.8	15.7	17.9	93	94	79	76	72	79	82	10	3	10	7.7
19	20.9	15.9	5.0	16.9	16.9	16.5	17.1	15.8	16.8	16.7	92	88	73	75	76	88	82	10	10	10	10.0
20	19.8	16.9	2.9	17.0	17.7	18.2	20.8	21.0	20.9	19.3	88	87	81	95	97	98	91	10	10	10	10.0
21	24.7	16.7	8.0	19.1	17.5	17.8	18.7	16.9	17.9	18.0	96	90	66	61	59	84	76	10	5	4	6.3
22	28.7	13.9	14.8	16.1	16.9	18.7	21.6	20.5	20.0	19.0	92	91	67	56	68	84	76	9	10	10	9.7
23	29.4	16.9	12.5	19.5	19.9	21.9	21.7	20.1	20.2	20.6	93	96	72	58	90	97	84	10	9	8	9.0
24	24.7	17.0	7.7	19.1	19.2	19.2	20.4	23.0	19.2	20.0	95	94	73	67	86	93	85	10	10	10	10.0
25	19.0	16.7	2.3	18.8	18.9	18.8	19.8	20.2	20.5	19.5	94	97	91	94	92	96	94	10	10	10	10.0
26	26.1	17.6	8.5	19.9	20.2	21.3	24.8	22.4	22.5	21.9	96	98	94	81	71	84	87	10	10	10	10.0
27	27.3	18.9	8.4	22.6	21.9	22.8	24.2	22.8	21.0	22.6	92	76	72	71	72	95	80	5	10	10	8.3
28	20.4	11.3	9.1	20.2	20.6	22.4	21.7	16.8	13.3	19.2	96	97	96	95	96	97	96	10	10	10	10.0
29	22.3	10.7	11.6	10.4	11.4	13.7	15.4	15.2	14.1	13.4	75	65	57	60	77	83	70	3	9	10	7.3
30	22.5	12.7	9.8	14.0	13.5	13.7	14.6	12.9	13.9	13.8	84	74	57	55	58	87	69	0	1	7	2.7

Day	PRECIPITATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)								WEATHER PHENOMENA					
			5 cm			10 cm			Daily Mean							
			6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean	20cm	30cm				
1	—		14.6	20.2	16.8	17.3	15.7	18.2	17.6	17.2	16.6	15.8	△ ¹			
2	0.0		15.4	20.9	16.6	17.6	16.1	18.8	17.8	17.6	16.8	15.9	△ ⁰ , ♀ ⁰			
3	0.0		14													

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

JULY, 1966.



International
Seismological
Centre

Day	STATION PRESSURE (1000 mb+)						M.S.L. PRESSURE (1000 mb+)						AIR TEMPERATURE °C									
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	
1	0.9	0.6	0.0	998.2	998.4	998.1	999.4	8.6	8.2	7.4	5.5	5.9	5.6	6.9	11.4	12.2	19.3	21.9	17.5	15.9	16.4	
2	996.3	994.6	993.0	993.7	995.2	997.2	995.0	3.8	2.1	0.5	1.2	2.8	4.8	2.5	14.9	13.8	14.4	14.5	13.4	12.7	14.0	
3	998.1	999.6	0.3	0.0	0.3	1.7	0.0	5.7	7.2	7.9	7.5	7.9	9.3	7.6	12.3	11.9	14.4	14.9	13.4	12.8	13.3	
4	1.5	2.1	2.4	1.3	2.2	3.4	2.2	9.1	9.7	9.9	8.8	9.7	11.0	9.7	12.6	12.9	15.9	18.3	16.5	14.5	15.1	
5	3.3	3.7	3.3	3.5	3.3	5.4	3.8	10.9	11.3	10.7	11.0	10.8	13.0	11.3	14.0	14.5	19.5	18.7	16.9	13.7	16.2	
6	5.3	5.8	5.7	4.0	3.9	5.8	5.1	13.0	13.4	13.1	11.3	11.3	13.3	12.6	11.9	14.4	19.8	23.3	22.3	16.6	18.1	
7	5.3	5.7	4.8	2.7	1.8	1.3	3.6	12.9	13.3	12.3	10.1	9.2	8.7	11.1	13.4	14.1	17.1	20.6	20.4	18.8	17.4	
8	997.7	994.6	991.9	989.9	991.0	992.2	992.9	5.2	2.0	999.2	997.2	998.3	999.5	0.2	18.2	18.0	19.5	20.0	19.7	19.2	19.1	
9	994.3	996.2	996.5	997.3	998.3	0.3	997.2	1.7	3.6	3.8	4.5	5.6	7.7	4.5	19.5	19.8	22.1	24.0	23.9	19.2	21.4	
10	0.6	1.5	1.6	0.6	0.8	2.1	1.2	8.1	9.0	8.9	7.8	8.1	9.5	8.6	17.3	17.4	22.9	26.3	23.9	19.3	21.2	
11	1.9	1.7	1.0	999.6	999.8	0.6	0.8	9.4	9.2	8.2	6.7	7.0	7.9	8.1	17.4	17.5	26.2	29.6	25.6	22.6	23.2	
12	0.2	0.4	999.8	998.0	999.3	1.5	999.9	7.6	7.8	7.2	5.3	6.6	8.9	7.2	20.3	19.4	21.0	23.8	22.6	19.0	21.0	
13	2.5	5.1	6.3	5.9	6.8	9.7	6.1	10.0	12.6	13.7	13.2	14.1	17.2	13.5	18.4	19.1	22.2	25.6	24.1	17.5	21.2	
14	10.0	10.8	10.1	7.8	7.6	8.3	9.1	17.6	18.4	17.5	15.1	15.0	15.8	16.6	16.2	15.4	21.0	27.3	23.2	18.9	20.3	
15	7.1	6.6	5.1	3.2	2.8	2.5	4.6	14.6	14.1	12.5	10.6	10.2	9.9	12.0	18.2	17.9	19.7	21.9	21.3	21.6	20.1	
16	1.3	1.8	1.1	999.7	999.3	0.0	0.5	8.7	9.2	8.4	7.1	6.6	7.3	7.9	21.1	21.0	21.6	21.4	22.5	21.9	21.6	
17	998.0	996.9	996.5	996.7	997.7	999.6	997.6	5.4	4.2	3.7	3.9	5.0	6.9	4.9	21.4	21.8	24.3	23.9	24.6	22.4	23.1	
18	999.2	0.0	1.0	0.3	0.2	2.2	0.5	6.5	7.3	8.3	7.5	7.5	9.6	7.8	21.6	21.7	23.3	26.5	24.7	21.0	23.1	
19	2.1	2.6	2.1	1.2	1.0	2.3	1.9	9.5	10.0	9.4	8.4	8.3	9.6	9.2	19.7	20.5	24.7	26.7	22.8	22.0	22.7	
20	1.5	1.8	1.6	0.7	0.5	1.1	1.2	8.8	9.1	8.9	7.9	7.7	8.4	8.5	21.5	22.0	24.1	27.6	26.9	23.6	24.3	
21	0.7	0.7	0.1	999.2	999.5	0.0	0.0	8.0	8.0	7.3	6.3	6.6	7.3	7.3	22.8	23.5	28.3	31.6	29.7	24.7	26.8	
22	999.0	0.1	1.0	1.8	3.2	5.8	1.8	6.3	7.4	8.3	9.1	10.5	13.3	9.2	22.9	22.2	25.0	24.1	22.9	17.7	22.5	
23	6.6	7.6	7.6	6.2	6.6	7.6	7.0	14.2	15.2	15.0	13.5	14.0	15.1	14.5	14.5	15.2	22.1	24.1	21.0	18.4	19.2	
24	*7.6	6.7	6.0	5.0	4.3	4.6	5.7	14.8	13.9	13.2	12.1	11.4	11.7	12.9	17.0	16.6	18.2	21.4	21.4	20.2	19.1	
25	3.6	3.6	3.4	2.6	2.4	3.2	3.1	10.7	10.7	10.4	9.5	9.3	10.2	10.1	20.0	19.9	24.8	29.2	27.5	24.0	24.2	
26	3.4	4.6	4.1	3.2	3.2	4.1	3.8	10.5	11.6	11.0	10.1	10.1	11.1	10.7	22.4	22.6	28.2	29.0	27.1	23.6	25.5	
27	4.0	5.2	5.4	4.9	5.3	6.1	5.2	11.0	12.2	12.3	11.8	12.2	13.1	12.1	22.8	22.6	27.3	29.0	27.7	23.9	25.6	
28	5.7	6.2	5.2	3.3	3.5	3.7	4.6	12.8	13.3	12.1	10.1	10.4	10.7	11.6	21.4	21.0	28.5	33.0	29.0	25.2	26.4	
29	2.3	1.9	2.7	1.9	2.4	3.7	2.5	9.3	8.9	9.7	8.8	9.4	10.8	9.5	23.6	23.8	24.7	26.0	24.8	20.2	23.9	
30	3.0	3.1	2.0	999.9	998.4	997.7	0.7	10.1	10.2	9.1	7.0	5.5	4.8	7.8	19.8	19.5	20.5	21.2	21.0	20.0	20.3	
31	994.1	991.5	991.1	991.6	993.3	995.0	992.8	1.2	998.5	998.0	998.5	0.4	2.1	999.8	20.1	20.8	23.1	25.9	20.2	17.5	21.3	
Mean	1.8	2.0	1.6	0.7	1.0	2.1	1.5	9.2	9.4	9.0	8.0	8.3	9.5	8.9	18.3	18.5	22.1	24.2	22.5	19.6	20.9	

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND												Mean for 24^h	Dir.	Vel.	Duration of Sunshine in hours (h)	Total Solar and Sky Radiation (cal./cm²)
2^h	6^h	10^h	14^h	18^h	22^h	Mean	Maximum										

<tbl

JULY, 1966.



Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)						RELATIVE HUMIDITY (%)						AMOUNT OF CLOUD (0~10)					
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	23.1	9.7	13.4	12.5	12.9	14.1	16.3	15.8	16.1	14.6	93	91	63	62	79	89	80	3	10	10	7.7
2	15.5	12.3	3.2	15.9	15.1	16.1	14.0	14.6	12.9	14.8	94	96	98	85	95	88	93	10	10	10	10.0
3	15.9	11.4	4.5	13.0	13.1	14.3	14.2	14.9	14.1	13.9	91	94	87	84	97	96	92	10	10	10	10.0
4	18.5	12.3	6.2	14.0	14.1	14.6	15.7	16.5	14.8	15.0	96	95	81	75	88	90	88	10	10	10	10.0
5	21.1	13.2	7.9	14.7	15.3	16.1	15.5	15.0	14.0	15.1	92	93	71	72	78	89	83	10	10	1	7.0
6	24.1	9.7	14.4	12.7	14.4	13.2	16.3	15.9	16.0	14.8	91	88	57	57	59	85	73	0	2	8	3.3
7	21.9	12.5	9.4	14.6	15.6	18.1	20.3	21.1	19.5	18.2	95	97	93	84	88	90	91	10	10	10	10.0
8	20.2	17.7	2.5	19.8	20.0	21.8	22.5	22.3	21.8	21.4	95	97	96	96	97	98	97	10	10	10	10.0
9	24.9	17.9	7.0	21.8	20.2	19.9	20.1	19.0	19.8	20.1	96	88	75	67	64	89	80	10	10	1	7.0
10	26.4	16.4	10.0	18.8	19.3	21.8	21.4	21.6	20.6	20.6	95	97	78	62	73	92	83	10	9	0	6.3
11	29.9	16.0	13.9	18.9	19.4	23.1	24.7	21.7	20.4	21.4	95	97	68	59	66	74	77	10	10	10	10.0
12	25.2	18.7	6.5	21.2	21.7	23.6	20.9	22.8	20.2	21.7	89	96	95	71	83	92	88	10	10	10	10.0
13	26.5	16.3	10.2	19.9	16.1	16.3	16.4	17.4	18.7	17.5	94	73	61	50	58	93	72	7	2	0	3.0
14	27.5	13.9	13.6	17.3	16.6	17.9	16.8	20.5	20.2	18.2	94	95	72	46	72	93	79	10	2	10	7.3
15	22.6	17.3	5.3	19.4	19.7	22.0	24.5	23.8	23.8	22.2	93	96	96	93	94	92	94	10	10	10	10.0
16	22.8	20.8	2.0	23.5	24.2	25.8	24.2	26.4	25.6	25.0	94	97	100	95	97	97	97	10	10	10	10.0
17	26.3	21.1	5.2	25.0	25.7	26.7	26.1	25.0	24.8	25.6	98	98	88	88	81	92	91	10	10	10	10.0
18	29.3	20.4	8.9	25.0	25.3	26.6	27.7	26.1	23.4	25.7	97	97	93	80	84	94	91	10	10	0	6.7
19	27.2	19.5	7.7	22.0	23.5	25.8	27.8	26.1	25.5	25.1	96	97	83	79	94	97	91	10	10	10	10.0
20	28.9	21.1	7.8	24.9	26.0	26.4	28.4	28.7	25.8	26.7	97	98	88	77	81	89	88	10	10	9	9.7
21	32.9	22.2	10.7	25.5	25.9	26.9	25.8	26.3	27.4	26.3	92	90	70	55	63	88	76	10	9	10	9.7
22	25.4	15.5	9.9	26.2	25.9	23.1	21.3	22.9	18.5	23.0	94	97	73	71	82	92	85	10	10	3	7.7
23	25.1	12.9	12.2	15.5	16.9	20.5	17.4	18.1	19.2	17.9	94	98	77	58	73	91	82	10	10	10	10.0
24	21.8	15.7	6.1	18.0	17.4	19.8	21.6	23.2	22.4	20.4	93	92	95	85	91	95	92	10	10	10	10.0
25	29.3	19.3	10.0	22.9	23.0	26.6	29.9	29.4	27.0	26.5	98	99	85	74	80	90	88	10	10	6	8.7
26	30.0	21.2	8.8	25.2	26.3	27.2	29.8	30.5	27.2	27.7	93	95	71	74	85	93	85	10	10	8	9.3
27	29.5	21.8	7.7	26.6	26.7	28.7	29.8	27.9	27.0	27.8	96	97	79	74	75	91	85	10	7	4	7.0
28	33.1	19.7	13.4	24.2	23.8	26.8	28.4	28.8	27.8	26.6	95	96	69	56	72	87	79	10	4	10	8.0
29	26.8	19.9	6.9	26.5	26.6	28.6	28.8	24.1	22.2	26.1	91	90	92	86	77	94	88	10	10	10	10.0
30	21.7	19.1	2.6	22.2	21.2	22.7	23.0	22.1	22.7	22.3	96	94	94	91	89	97	94	10	10	10	10.0
31	26.7	17.2	9.5	22.8	24.1	27.7	23.4	18.0	16.5	22.1	97	98	98	70	76	82	87	10	6	8	8.0
Mean	25.2	16.9	8.3	20.3	20.5	22.0	22.4	22.1	21.2	21.4	94	94	82	73	80	91	86	9.4	8.7	7.7	8.6

Day	PRECIPI-TATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)								WEATHER PHENOMENA					
			5 cm				10 cm				Daily Mean		WEATHER PHENOMENA			

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

AUGUST, 1966.

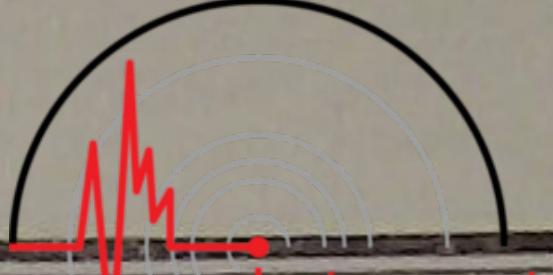


International Seismological Centre

Day	STATION PRESSURE (1000 mb+)						M.S.L. PRESSURE (1000 mb+)						AIR TEMPERATURE °C									
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	
1	993.6	995.8	997.0	997.4	997.4	998.9	996.7	0.7	2.9	4.1	4.4	4.5	6.1	3.8	17.1	18.4	20.0	21.8	20.1	16.6	19.0	
2	998.0	998.9	998.5	997.1	997.5	999.0	998.2	5.2	6.1	5.5	4.0	4.6	6.1	5.3	15.5	17.1	22.4	24.0	21.0	18.7	19.8	
3	997.6	997.1	996.4	995.4	995.3	995.5	996.2	4.7	4.2	3.4	2.4	2.3	2.6	3.3	17.6	18.2	21.4	22.2	20.6	19.8	20.0	
4	995.2	995.8	996.0	995.8	997.1	999.0	996.5	2.3	2.9	3.0	2.7	4.1	6.1	3.5	19.3	19.2	23.4	24.5	22.3	17.8	21.1	
5	998.6	999.3	999.2	997.2	997.7	997.7	998.3	5.8	6.5	6.2	4.1	4.7	4.8	5.4	15.8	16.3	23.6	26.9	23.4	21.4	21.2	
6	996.4	997.0	996.4	995.4	996.0	996.9	996.4	3.4	4.0	3.4	2.3	2.9	3.9	3.3	21.2	21.1	23.4	26.2	25.1	22.4	23.2	
7	996.9	997.7	997.7	996.3	996.7	997.8	997.2	4.0	4.8	4.6	3.0	3.5	4.8	4.1	20.4	21.0	25.7	32.8	28.9	23.1	25.3	
8	997.7	999.5	999.5	998.5	0.1	2.1	999.6	4.8	6.5	6.4	5.3	7.0	9.1	6.5	19.8	20.8	26.4	30.7	26.7	22.1	24.4	
9	1.9	2.5	3.4	2.5	2.1	3.2	2.6	8.9	9.6	10.4	9.5	9.1	10.3	9.6	21.5	20.2	23.6	25.6	22.8	19.8	22.3	
10	3.0	3.7	3.8	2.4	2.6	4.1	3.3	10.2	10.8	10.9	9.3	9.6	11.2	10.3	19.2	19.7	22.1	25.6	23.0	21.4	21.8	
11	4.2	4.6	5.0	3.9	4.2	4.9	4.5	11.3	11.7	12.0	10.9	11.2	11.9	11.5	20.5	20.6	22.8	25.4	25.1	23.8	23.0	
12	3.9	4.6	3.4	1.9	2.5	3.9	3.4	10.9	11.6	10.4	8.7	9.4	10.9	10.3	23.4	23.3	25.7	31.4	26.8	23.0	25.6	
13	2.6	2.9	4.4	2.4	2.2	3.2	3.0	9.7	9.9	11.5	9.4	9.2	10.3	10.0	22.0	22.7	21.0	23.1	22.5	21.8	22.2	
14	2.7	3.9	4.1	3.7	4.6	6.5	4.3	9.8	11.0	11.1	10.7	11.6	13.6	11.3	21.6	21.8	24.3	24.7	23.1	21.8	22.9	
15	6.4	6.8	7.6	6.4	6.2	6.9	6.7	13.5	13.9	14.7	13.4	13.2	13.9	13.8	21.4	21.4	23.6	25.1	24.6	23.7	23.3	
16	5.2	4.6	4.2	3.3	2.1	2.6	3.7	12.2	11.6	11.2	10.3	9.1	9.6	10.7	23.6	22.7	23.9	24.7	24.6	23.0	23.8	
17	1.0	0.4	998.8	997.6	996.1	996.1	998.3	8.0	7.4	5.8	4.5	3.0	3.0	5.3	22.9	22.7	25.1	26.1	25.2	24.2	24.4	
18	995.7	995.1	995.6	995.1	995.6	998.1	995.9	2.6	2.0	2.5	1.9	2.5	5.1	2.8	24.0	24.3	26.5	29.2	26.2	25.2	25.9	
19	998.0	999.2	1.3	1.3	2.8	4.0	1.1	5.0	6.2	8.2	8.2	9.8	11.0	8.1	24.6	24.9	26.4	27.9	25.9	25.4	25.9	
20	5.0	5.8	6.8	6.0	7.1	8.7	6.6	12.0	12.8	13.7	12.9	14.0	15.8	13.5	25.0	24.6	27.5	30.4	26.9	24.2	26.4	
21	8.2	8.4	8.8	7.7	8.2	8.8	8.4	15.3	15.5	15.7	14.6	15.2	15.9	15.4	23.9	24.1	28.9	30.2	26.2	24.2	26.3	
22	8.1	8.2	7.6	5.8	6.0	7.2	7.2	15.2	15.3	14.6	12.7	13.0	14.2	14.2	23.5	23.1	26.9	27.9	26.4	25.3	25.5	
23	7.2	7.2	7.0	5.4	5.9	6.3	6.5	14.2	14.2	13.9	12.3	12.9	13.3	13.5	24.9	25.1	27.4	29.3	26.0	24.6	26.2	
24	5.8	6.2	6.0	4.9	5.7	8.0	6.1	12.8	13.2	12.9	11.7	12.6	15.1	13.1	24.5	24.5	28.2	31.0	26.8	23.4	26.4	
25	7.9	8.0	7.0	4.6	4.6	6.2	6.4	15.0	15.1	14.0	11.5	11.6	13.3	13.4	22.8	21.8	24.7	26.9	23.9	21.6	23.6	
26	6.1	8.0	9.6	9.0	9.8	11.9	9.1	13.2	15.2	16.7	16.1	16.9	19.1	16.2	20.5	19.9	21.3	24.2	22.1	19.5	21.3	
27	11.1	11.2	11.3	9.0	8.2	9.4	10.0	18.3	18.4	18.4	15.9	15.3	16.5	17.1	18.9	19.2	24.1	28.1	24.1	21.0	22.6	
28	8.3	8.4	7.5	5.3	4.8	5.8	6.7	15.4	15.5	14.5	12.2	11.7	12.9	13.7	21.6	21.2	26.7	29.9	26.8	22.0	24.7	
29	5.4	6.3	5.6	4.0	4.9	5.8	5.3	12.5	13.4	12.5	10.8	11.8	12.9	12.3	19.8	19.8	27.8	32.3	26.7	22.0	24.7	
30	5.9	7.3	7.1	6.0	6.2	7.8	6.7	13.0	14.4	14.0	12.8	13.1	14.9	13.7	19.5	20.6	27.3	31.4	28.0	23.8	25.1	
31	7.3	8.1	7.4	5.1	6.6	6.0	6.8	14.4	15.2	14.4	12.0	13.6	13.1	13.8	21.5	22.0	25.2	29.4	24.3	22.2	24.1	
Mean	2.7	3.3	3.4	2.1	2.5	3.6	3.0	9.8	10.4	10.3	9.0	9.5	10.7	10.0	21.2	21.4	24.8	27.4	24.7	22.2	23.6	

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND												Duration of Sunshine in hours (h)	Total Solar and Sky Radiation (cal./cm²)			
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean for 24 ^h	Maximum									
								Dir.	Vel.								
1	N	4.8	NNW	3.8	N	6.0	NNW	3.0	N	2.3	NNW	1.0	3.4	N	6.3	4.8	493
2	WNW	0.8	WSW	1.2	W	1.3	NNE	3.5	NNW	2.8	NNE	2.2	2.2	N	5.5	5.6	525
3	—	0.0	NNE	1.0	W	1.3	SSW	2.2	SSE	0.7	—	0.0	0.9	S	3.0	—	200
4	NNE	0.7	—	0.2	N	3.7	NNW	4.2	N	2.8	NE	0.8	2.3	NNW	5.7	7.6	584
5	WSW	0.5	NNW	1.3	S	2.2	S	5.8	S	4.5	S	2.5	3.0	S	6.3	8.8	617
6	S	1.7	SW	0.8	WNW	0.5	N	2.2	NW	2.0	WSW	0.7	1.4	S	3.3	0.9	287
7	NW	0.8	NNW	1.3	NW	1.3	S	2.3	S	4.3	SSW	0.8	2.0	S	4.3	8.5	578
8	NNW	1.3	NNW	2.8	WNW	1.3	NW	1.7	SSW	2.5	S	4.0	2.1	SSW	4.8	11.0	638
9	S	0.5	NNW	1.2	S	1.7	SSW	5.0	S	4.8	S	4.3	3.2	S	6.2	3.9	440
10	SSE	3.8	S	2.2	S	2.3	SSW	4.0	S	4.0	SSW	3.2	3.4	SSW	5.2	4.2	409
11	S	2.7	S	1.8	SSE	2.2	SSE	2.5	S	1.5	S	1.3	1.9	S	3.7	—	207
12	W	0.8	W	0.3	NNW	1.3	NNW	1.3	ENE	2.8	—	0.2	1.3	NNW	5.3	4.4	401
13	SW	2.3	WNW	1.3	NE	2.8	S	1.3	S	1.8	S	2.2	1.9	WNW	7.0	0.2	187
14	S	0.5	WNW	0.7	WSW	0.8	S	4.7	SSW	3.3	SSW	3.2	2.1	S,SSW	4.7	—	230
15	SW	0.8	SSW	2.3	SSW	2.5	S	3.2	S	2.2	SSE	2.3	2.3	SSW	4.0	—	209
16	S	2.5	S	4.0	S	2.7	SSE	3.0	NNE	1.2	S	1.5	2.3	SSE	5.5	—	156
17	S	3.5	SSW	2.2	S	2.2	S	1.3	S	1.8	S	3.8	3.0	S	6.2	—	187
18	S	5.7	S	5.7	S	4.5	S	5.0	S	4.2	S	2.8	5.0	S	7.7	3.6	375
19	S	3.5	S	5.3	SSW	4.3	S	5.7	S	6.7	S	5.8	5.7	S	8.2	—	192
20	S	6.0	S	5.2	S	6.8	S	6.8	S	3.8	SSE	2.8	5.1	SSW	8.5	6.2	435
21	SSW	1.7	—	0.0	SSE	5.7	SE	3.8	SSE	3.2	S	0.7	2.7	SSE	6.7	9.2	603
22	S	0.7	NNW	1.8	W	1.3	SE	5.5	SSE	5.0	SSE	2.7	2.9	SSE	6.8	3.3	400
23	SSE	3.7	S	2.5	S	4.8	SSE	5.0	SSW	3.5	S	4.7	4.3	S	8.0	6.2	460
24	S	1.0	S	0.8	NNE	2.7	NNW	1.3	SSW	3.2	S	3.2	2.2	S	5.3	4.6	442
25	S	1.3	SSE	3.2	SSW	3.3	S	5.0	S	2.3	NNW	2.3	2.9	SSE	5.8	1.4	348
26	NW	0.7	NW	1.8	—	0.2	S	4.8	S	4.5	S	3.0	2.8	S	5.5	2.0	278
27	S	1.7	S	0.5	SSE	3.3	S	3.5	S	5.0	SSE	2.7	2.5	S	5.7	9.9	584
28	SSE	0.8	NNW	1.7	NNE	1.5	N	3.2	NNW	2.2	—	0.2	1.6	NNW	4.7	8.3	515
29	SW	0.7	SW	0.5	N	1.5	NW	1.5	WNW	2.3	SW	0.7	1.2	NNW	3.8	8.2	484
30	NNW	1.7	NW	1.0	ENE	0.8	SSE	1.5	S	1.8	S	1.7	1.6	S	4.8	9.9	473
31	SSW	0.5	S	0.8	SSW	2.8	S	6.2	S	4.8	NE	1.2	2.7	S	6.7	6.3	439
Mean		1.9		1.9		2.6		3.5		3.2		2.2	2.6			139.0	12376

AUGUST, 1966.


 International
Seismological
Centre

Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)						RELATIVE HUMIDITY (%)						AMOUNT OF CLOUD (0~10)					
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	22.8	16.2	6.6	15.4	16.8	17.3	17.7	16.5	16.5	16.7	79	79	74	68	70	87	76	7	8	0	5.0
2	24.2	13.9	10.3	16.4	17.8	18.1	19.3	19.1	18.4	18.2	93	91	67	65	77	85	80	3	10	10	7.7
3	22.9	16.9	6.0	18.9	19.3	21.4	22.3	23.0	22.5	21.2	94	93	84	84	95	97	91	10	10	10	10.0
4	25.1	16.5	8.6	21.9	22.0	17.3	20.0	16.7	18.1	19.3	98	99	60	65	62	89	79	9	6	4	6.3
5	26.9	14.5	12.4	16.5	17.6	20.1	22.3	22.4	23.3	20.4	92	95	69	63	78	91	81	10	2	10	7.3
6	26.6	20.8	5.8	23.7	24.4	24.5	26.5	27.1	25.7	25.3	94	97	85	78	85	95	89	10	10	10	10.0
7	33.3	20.3	13.0	23.0	24.6	25.8	24.0	30.3	25.7	25.6	96	99	78	48	76	91	81	10	1	0	3.7
8	31.1	18.2	12.9	21.2	22.8	23.4	26.6	27.3	24.1	24.2	92	93	68	60	78	91	80	0	0	10	3.3
9	25.8	19.3	6.5	23.6	21.2	22.7	24.7	22.5	21.0	22.6	92	89	78	75	81	91	84	10	10	10	10.0
10	25.9	19.0	6.9	20.9	21.5	23.9	24.7	23.6	23.3	23.0	94	94	90	75	84	91	88	10	0	10	6.7
11	25.9	20.4	5.5	22.7	23.4	24.4	26.3	26.4	26.9	25.0	94	96	88	81	83	91	89	10	10	10	10.0
12	31.9	22.3	9.6	26.8	26.9	27.4	32.7	27.5	25.1	27.7	93	94	83	71	78	89	85	10	10	10	10.0
13	24.1	20.8	3.3	25.4	26.7	23.9	26.2	25.3	25.0	25.4	96	97	96	93	93	96	95	10	10	10	10.0
14	25.6	21.3	4.3	25.0	25.7	25.2	26.7	24.6	24.1	25.2	97	98	83	86	87	92	91	10	10	10	10.0
15	25.7	21.0	4.7	23.7	23.7	25.0	27.2	26.9	26.9	25.6	93	93	86	85	87	92	89	10	10	10	10.0
16	25.1	22.3	2.8	27.1	26.9	27.9	29.4	28.1	26.5	27.7	93	97	94	94	91	94	94	10	10	10	10.0
17	26.1	22.3	3.8	26.5	26.4	28.7	30.7	29.2	28.0	28.3	95	96	90	91	91	93	93	10	10	10	10.0
18	29.8	23.6	6.2	27.7	28.2	30.1	32.3	30.6	29.8	29.8	93	93	87	80	90	93	89	10	10	10	10.0
19	28.1	24.3	3.8	28.8	29.0	29.9	31.8	30.1	30.4	30.0	93	92	87	85	90	94	90	10	10	10	10.0
20	31.0	24.0	7.0	30.1	29.4	29.7	29.6	28.0	26.8	28.9	95	95	81	68	79	89	85	10	9	10	9.7
21	30.7	22.4	8.3	27.0	27.8	27.9	27.2	26.5	27.5	27.3	91	93	70	63	78	91	81	10	1	10	7.0
22	30.1	22.6	7.5	27.5	27.3	28.4	29.7	29.6	28.5	28.5	95	97	80	79	86	88	88	10	10	8	9.3
23	30.6	23.7	6.9	28.3	29.6	29.2	30.9	28.9	28.5	29.2	90	93	80	76	86	92	86	8	7	10	8.3
24	31.0	23.1	7.9	28.9	29.5	27.9	30.0	28.5	27.4	28.7	94	96	73	67	81	95	84	10	10	10	10.0
25	27.1	20.9	6.2	26.4	24.8	24.9	27.2	26.7	24.0	25.7	95	95	80	77	90	93	88	10	10	10	10.0
26	24.8	19.1	5.7	22.4	21.6	21.0	24.1	22.1	20.0	21.9	93	93	83	80	83	88	87	10	9	10	9.7
27	28.4	18.5	9.9	20.3	20.8	19.8	23.7	24.0	22.9	21.9	93	93	66	62	80	92	81	10	5	10	8.3
28	30.5	20.9	9.6	24.2	24.1	24.2	26.9	26.8	24.6	25.1	94	96	69	64	76	93	82	10	5	0	5.0
29	32.5	19.1	13.4	22.4	22.9	25.4	27.6	27.0	24.6	25.0	97	99	68	57	77	93	82	10	7	3	6.7
30	32.1	18.6	13.5	21.3	23.4	24.7	26.7	29.1	27.3	25.4	94	96	68	58	77	93	81	9	7	10	8.7
31	29.4	21.4	8.0	24.4	25.8	25.3	26.7	23.1	23.6	24.8	95	97	79	65	76	88	83	10	5	10	8.3
Mean	27.9	20.3	7.6	23.8	24.3	24.7	26.5	25.7	24.7	25.0	93	94	79	73	82	92	86	9.2	7.5	8.5	8.4

Day	PRECIPITATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)									WEATHER PHENOMENA				
			5 cm			10 cm			Daily Mean							
			6 ^h	14 ^h	22 ^h	Mean	6 ^{h</}									

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

SEPTEMBER, 1966.



International Seismological Centre

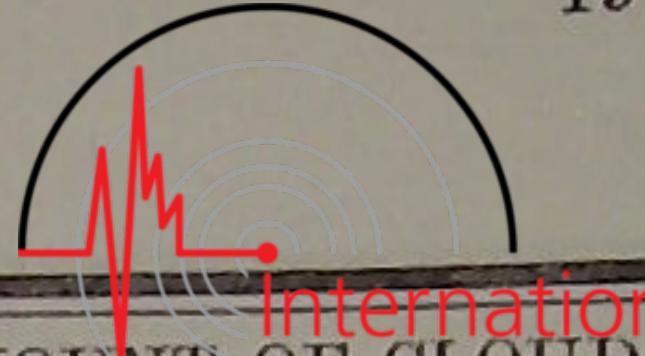
Day	STATION PRESSURE (1000 mb+)							M.S.L. PRESSURE (1000 mb+)							AIR TEMPERATURE °C						
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean
1	4.8	4.9	3.3	0.8	0.0	0.6	2.4	11.9	12.0	10.2	7.7	7.0	7.6	9.4	21.6	21.8	26.5	29.4	25.1	24.2	24.8
2	1.7	4.0	5.0	4.6	5.2	7.1	4.6	8.7	11.0	12.0	11.5	12.2	14.3	11.6	23.4	23.1	26.2	26.5	22.8	18.5	23.4
3	7.1	7.0	6.6	4.8	4.6	5.0	5.9	14.3	14.2	13.7	11.8	11.6	12.2	13.0	17.8	17.8	22.3	25.4	22.9	18.5	20.8
4	4.7	4.4	3.7	2.5	3.1	4.8	3.9	11.9	11.6	10.8	9.5	10.2	12.0	11.0	16.9	16.3	21.6	24.7	20.7	18.3	19.8
5	5.7	9.0	10.0	9.0	11.0	12.8	9.6	12.9	16.3	17.2	16.0	18.2	20.1	16.8	15.7	14.9	19.8	24.9	17.9	14.5	18.0
6	11.4	11.0	10.6	7.8	7.7	7.5	9.3	18.8	18.3	17.8	14.9	14.8	14.7	16.6	13.0	13.7	20.2	22.7	20.9	19.2	18.3
7	6.5	6.5	5.3	3.8	4.3	5.4	5.3	13.7	13.7	12.3	10.7	11.3	12.5	12.4	17.1	16.7	23.8	28.5	24.9	21.0	22.0
8	5.6	6.0	5.7	4.2	5.0	6.4	5.5	12.7	13.1	12.7	11.0	12.0	13.4	12.5	19.6	20.1	26.1	31.3	26.3	23.9	24.6
9	5.2	5.1	4.7	2.9	2.0	0.6	3.4	12.2	12.1	11.6	9.8	9.0	7.6	10.4	23.5	23.1	28.3	27.5	24.4	24.1	25.2
10	999.1	997.5	995.2	993.8	996.4	998.7	996.8	6.1	4.5	2.1	0.7	3.3	5.7	3.7	24.6	25.2	26.9	25.4	24.9	23.1	25.0
11	998.9	0.4	1.3	0.3	1.3	2.6	0.8	5.9	7.4	8.3	7.3	8.4	9.8	7.9	22.3	21.8	24.4	24.7	20.9	19.4	22.3
12	1.4	1.3	1.2	999.2	998.9	999.3	0.2	8.5	8.4	8.3	6.2	6.0	6.4	7.3	18.6	18.4	19.3	22.0	21.3	18.8	19.7
13	998.8	999.7	0.4	999.1	0.5	1.6	0.0	5.9	6.8	7.4	6.1	7.6	8.8	7.1	17.9	17.5	21.6	25.4	19.2	17.2	19.8
14	0.8	0.7	999.9	996.9	999.9	2.2	0.1	8.0	7.9	7.0	3.8	7.1	9.5	7.2	15.2	15.7	20.0	25.0	16.6	14.2	17.8
15	2.6	4.1	5.0	4.8	6.4	7.4	5.1	10.0	11.5	12.1	11.9	13.7	14.7	12.3	11.9	12.1	19.7	20.3	15.0	13.6	15.4
16	7.6	8.1	8.0	6.6	7.8	9.6	8.0	15.0	15.5	15.2	13.6	15.1	17.0	15.2	12.0	11.9	19.9	22.7	16.4	11.4	15.7
17	9.5	10.4	11.2	10.6	10.7	11.5	10.7	16.9	17.8	18.5	17.8	18.0	18.8	18.0	10.6	10.9	15.0	18.5	16.1	15.5	14.4
18	11.5	12.1	13.3	12.6	12.2	10.7	12.1	18.8	19.4	20.6	19.9	19.6	18.1	19.4	15.5	14.6	15.8	15.3	13.2	11.9	14.4
19	8.5	6.2	5.8	4.8	5.2	6.8	6.2	15.9	13.5	13.1	12.0	12.5	14.1	13.5	12.1	12.7	14.4	16.2	15.0	13.7	14.0
20	7.6	10.5	12.0	10.7	12.5	14.5	11.3	14.9	17.8	19.2	17.8	19.8	21.8	18.6	13.7	14.0	17.6	22.2	16.8	15.1	16.6
21	13.4	13.1	12.3	9.1	8.3	7.5	10.6	20.8	20.5	19.4	16.2	15.5	14.7	17.9	12.5	12.4	21.2	22.9	19.4	17.5	17.7
22	5.9	5.4	5.7	4.1	5.2	7.1	5.6	13.1	12.6	12.9	11.2	12.4	14.3	12.8	17.3	17.3	18.2	22.4	18.3	16.8	18.4
23	7.3	8.2	7.8	6.0	6.4	8.6	7.4	14.5	15.5	15.0	13.1	13.6	15.9	14.6	15.7	14.3	18.8	20.5	17.8	14.4	16.9
24	8.7	9.1	10.6	8.8	9.5	8.4	9.2	16.1	16.5	17.9	16.1	16.8	15.7	16.5	13.2	13.0	15.4	15.5	14.7	14.3	14.4
25	3.6	995.5	996.9	996.3	996.7	996.4	997.6	10.9	2.7	4.1	3.4	3.9	3.6	4.8	14.3	14.0	14.7	17.2	15.2	15.7	15.2
26	995.8	996.5	996.8	996.2	997.1	998.4	996.8	3.0	3.7	3.9	3.1	4.1	5.5	3.9	15.3	15.5	18.7	23.5	21.2	18.6	18.8
27	998.1	998.7	998.2	997.0	998.7	999.7	998.4	5.3	5.9	5.3	4.0	5.9	7.0	5.6	17.3	16.4	21.2	21.3	17.1	11.7	17.5
28	999.4	999.7	999.9	997.7	999.0	0.5	999.4	6.8	7.1	7.0	4.7	6.2	7.7	6.6	9.6	9.6	17.8	22.3	16.9	14.7	15.2
29	2.3	3.4	5.3	6.6	9.5	11.5	6.4	9.6	10.8	12.5	13.8	16.9	19.0	13.8	12.5	11.8	15.7	16.7	13.4	8.9	13.2
30	12.5	13.9	14.2	12.5	13.5	14.9	13.6	20.0	21.5	21.5	19.7	20.8	22.3	21.0	7.8	6.6	16.6	20.8	17.2	11.5	13.4

Mean	4.9	5.1	5.2	3.8	4.6	5.6	4.9	12.1	12.3	12.3	10.8	11.8	12.8	12.0	16.0	15.8	20.3	22.7	19.1	16.7	18.4
------	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND			
-----	---	--	--	--

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.
SEPTEMBER, 1966.

19

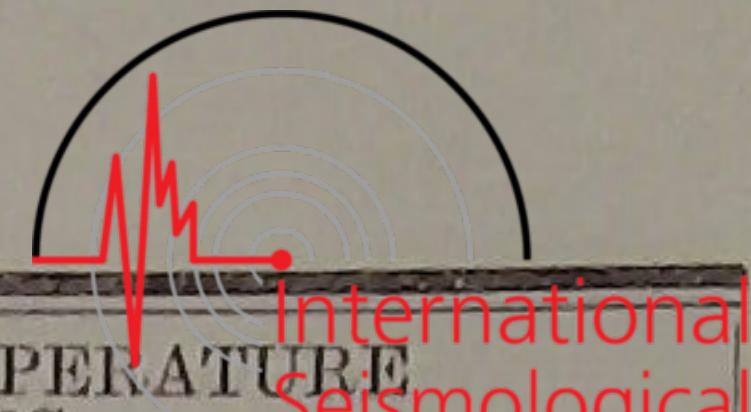


International
Seismological
Centre

Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)							RELATIVE HUMIDITY (%)							AMOUNT OF CLOUD (0~10)			
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	29.5	21.2	8.3	23.7	24.3	24.2	27.5	25.8	26.4	25.3	92	93	70	67	81	87	82	10	7	10	9.0
2	27.9	17.7	10.2	24.7	23.5	19.7	18.6	18.9	18.9	20.7	86	83	58	54	68	89	73	7	3	10	6.7
3	25.6	17.6	8.0	18.7	18.5	20.5	19.6	19.8	19.9	19.5	92	91	76	61	71	93	81	10	10	8	9.3
4	25.9	15.5	10.4	18.1	17.4	19.3	19.0	17.8	18.9	18.4	94	94	75	61	73	90	81	10	10	10	10.0
5	24.9	13.8	11.1	16.8	13.9	12.5	15.4	12.7	13.0	14.1	94	82	54	49	62	79	70	4	5	7	5.3
6	23.5	12.7	10.8	13.6	13.8	16.6	17.5	18.5	19.6	16.6	91	88	70	63	75	88	79	10	10	10	10.0
7	29.5	15.7	13.8	17.9	18.1	21.5	26.4	25.8	23.1	22.1	92	95	73	68	82	93	84	10	10	9	9.7
8	32.0	19.6	12.4	22.3	23.3	24.3	24.5	25.7	26.1	24.4	98	99	72	54	75	88	81	10	10	10	10.0
9	28.9	22.9	6.0	25.8	25.7	27.7	27.3	29.0	28.3	27.3	89	91	72	74	95	94	86	10	10	10	10.0
10	27.4	22.4	5.0	28.8	29.5	31.5	30.2	26.8	26.6	28.9	93	92	89	93	85	94	91	10	10	10	10.0
11	25.3	19.2	6.1	26.1	25.7	26.6	26.5	23.2	21.5	24.9	97	98	87	85	94	95	93	10	10	10	10.0
12	22.0	18.0	4.0	20.6	20.4	20.1	22.5	22.0	20.9	21.1	96	96	90	85	87	96	92	10	10	10	10.0
13	25.7	16.0	9.7	19.7	19.0	19.6	21.3	19.3	18.1	19.5	96	95	76	66	87	92	85	10	9	10	9.7
14	25.4	13.8	11.6	16.6	17.5	17.5	17.2	12.3	12.4	15.6	96	98	75	54	65	77	78	10	7	10	9.0
15	21.3	10.8	10.5	12.5	12.4	11.7	12.5	10.7	12.8	12.1	90	88	51	52	63	82	71	1	10	10	7.0
16	22.7	11.1	11.6	12.8	13.1	11.6	12.6	13.2	12.1	12.6	91	94	50	46	71	90	74	4	2	8	4.7
17	18.6	10.3	8.3	11.6	12.1	14.1	16.1	16.5	16.4	14.5	91	93	83	76	90	93	88	10	10	10	10.0
18	15.9	11.5	4.4	16.5	15.6	17.2	16.3	14.4	13.5	15.6	94	94	96	94	95	96	95	10	10	10	10.0
19	16.3	12.0	4.3	13.7	14.4	15.7	17.5	15.7	15.2	15.4	97	98	96	95	92	97	96	10	10	10	10.0
20	23.0	13.4	9.6	15.4	15.5	14.3	12.8	14.9	16.1	14.8	98	97	71	48	78	94	81	10	4	9	7.7
21	23.0	11.7	11.3	13.6	13.8	17.4	18.4	17.8	18.5	16.6	94	96	69	66	79	92	83	7	10	10	9.0
22	23.0	16.3	6.7	18.6	18.8	19.4	19.1	14.9	13.9	17.5	94	95	93	71	71	73	83	10	10	10	10.0
23	21.0	13.8	7.2	13.7	14.9	14.7	16.1	17.1	14.7	15.2	77	92	68	67	84	90	80	10	10	10	10.0
24	16.2	12.7	3.5	14.3	14.2	15.9	15.3	15.9	15.4	15.2	94	95	91	87	95	95	93	10	10	10	10.0
25	17.3	13.2	4.1	15.5	15.3	15.9	15.9	16.1	17.5	16.0	95	96	95	81	93	98	93	10	10	10	10.0
26	23.5	15.0	8.5	17.0	17.3	18.5	23.7	21.4	18.1	19.3	98	98	86	82	85	85	89	10	10	10	10.0
27	23.2	10.8	12.4	16.8	15.2	16.1	15.6	14.0	12.5	15.0	85	82	64	62	72	91	76	9	9	0	6.0
28	23.7	8.7	15.0	11.2	11.4	11.2	12.8	14.0	13.8	12.4	94	95	55	47	73	83	75	0	0	10	3.3
29	19.6	7.7	11.9	13.5	11.7	13.9	11.2	11.1	10.1	11.9	93	84	78	59	72	89	79	0	7	0	2.3
30	21.6	5.8	15.8	9.9	9.2	11.1	12.6	14.3	12.5	11.6	94	95	59	51	73	92	77	0	2	0	0.7
Mean	23.4	14.4	9.0	17.3	17.2	18.0	18.7	18.0	17.6	17.8	93	93	75	67	80	90	83	8.1	8.2	8.7	8.3

Day	PRECIPITATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)								WEATHER PHENOMENA			
			5 cm			10 cm			Daily Mean					
			6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean	20 cm	30 cm		
1	0.0		24.8	27.7	25.8	26.1	25.1	26.7	26.1	26.0	25.0	24.3	△ ⁰ , ♦ ⁰	
2	0.3</td													

OCTOBER, 1966.

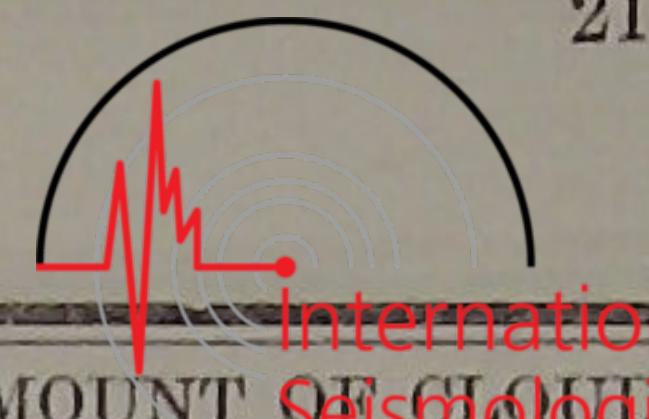


Day	STATION PRESSURE (1000 mb+)						M.S.L. PRESSURE (1000 mb+)						AIR TEMPERATURE °C									
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	
1	15.0	15.7	15.4	12.8	13.6	14.2	14.5	22.5	23.2	22.7	19.9	20.9	21.5	21.8	9.1	8.7	16.2	23.9	18.0	15.6	15.3	
2	13.3	13.6	12.5	9.3	8.0	7.0	10.6	20.7	20.9	19.8	16.5	15.3	14.2	17.9	14.0	15.5	16.0	16.9	16.2	15.7	15.7	
3	6.2	7.8	7.8	6.2	6.5	6.7	6.9	13.5	15.1	15.1	13.3	13.7	13.9	14.1	15.3	15.3	16.3	19.6	18.5	17.6	17.1	
4	6.0	6.8	8.0	7.2	10.6	13.3	8.7	13.2	14.0	15.2	14.3	17.9	20.7	15.9	16.1	15.5	17.4	20.4	15.5	14.2	16.5	
5	14.4	16.7	17.8	17.1	19.9	22.7	18.1	21.9	24.2	25.1	24.4	27.3	30.3	25.5	10.8	9.0	15.8	16.0	12.5	6.9	11.8	
6	23.5	25.1	25.3	23.1	23.7	24.7	24.2	31.2	32.9	32.8	30.5	31.2	32.4	31.8	4.6	2.6	11.5	17.3	11.4	6.0	8.9	
7	23.9	24.0	22.4	18.8	18.3	18.9	21.1	31.6	31.7	29.9	26.1	25.7	16.4	26.9	4.7	3.7	10.9	19.1	13.7	9.7	10.3	
8	17.1	16.5	14.5	11.7	12.0	12.0	14.0	24.6	24.0	21.8	18.8	19.2	19.3	21.3	9.2	9.7	17.6	21.0	16.8	15.0	14.9	
9	11.5	11.6	11.8	10.2	11.6	13.0	11.6	18.9	19.0	19.0	17.3	18.8	20.4	18.9	13.0	12.1	17.4	21.6	16.8	13.6	15.8	
10	13.0	13.5	13.2	11.7	12.2	12.7	12.7	20.4	20.9	20.5	18.9	19.5	20.1	20.1	12.7	11.5	17.5	20.2	16.1	14.0	15.3	
11	12.5	12.9	12.9	10.3	11.3	11.4	11.9	20.0	20.4	20.2	17.5	18.6	18.8	19.3	11.2	10.6	15.3	20.3	15.7	12.9	14.3	
12	10.0	9.8	9.7	6.2	6.9	6.9	8.3	17.4	17.2	17.0	13.3	14.1	14.2	15.5	12.8	13.2	14.9	20.0	15.9	14.1	15.2	
13	4.0	1.6	998.7	997.3	998.4	998.8	999.8	11.3	8.9	5.9	4.4	5.6	6.1	7.0	13.4	12.9	14.6	16.5	15.5	12.6	14.3	
14	998.8	998.9	999.5	998.5	0.5	1.6	999.6	6.1	6.2	6.7	5.6	7.6	8.8	6.8	12.6	13.1	15.8	19.7	18.2	17.3	16.1	
15	2.6	3.2	3.2	2.4	3.8	4.1	3.2	9.9	10.5	10.3	9.4	11.0	11.3	10.4	13.7	13.2	20.3	22.8	18.4	16.6	17.5	
16	4.7	4.4	4.0	3.0	4.1	4.5	4.1	11.9	11.6	11.2	10.2	11.3	11.8	11.3	15.9	15.6	16.0	19.0	15.8	12.8	15.9	
17	4.4	4.6	3.8	0.8	1.3	1.2	2.7	11.8	12.0	11.1	7.9	8.6	8.5	10.0	11.6	11.8	12.6	21.1	14.4	13.5	14.2	
18	999.0	997.6	998.5	998.3	0.2	1.0	999.1	6.3	4.9	5.7	5.5	7.5	8.3	6.4	12.4	11.4	16.2	16.7	14.4	12.3	13.9	
19	0.1	0.9	1.7	1.7	2.6	3.8	1.8	7.4	8.3	8.9	8.9	9.9	11.2	9.1	11.0	9.4	15.1	14.6	12.8	12.4	12.6	
20	5.1	5.5	6.1	6.0	6.8	7.7	6.2	12.5	12.9	13.4	13.3	14.1	15.1	13.6	11.9	9.3	15.3	13.7	12.6	10.1	12.2	
21	6.3	6.0	5.6	5.3	7.9	8.8	6.7	13.7	13.5	13.0	12.6	15.3	16.2	14.1	9.1	8.1	12.3	14.1	12.2	11.3	11.2	
22	9.0	10.8	12.7	12.5	14.1	15.3	12.4	16.4	18.2	20.1	19.8	21.5	22.8	19.8	9.5	10.1	14.1	14.6	11.6	8.9	11.5	
23	15.8	17.2	17.4	16.2	18.1	19.3	17.3	23.3	24.8	24.8	23.5	25.6	26.9	24.8	7.9	5.5	12.2	17.6	11.9	7.5	10.4	
24	19.4	19.9	20.3	17.4	18.0	18.6	18.9	27.0	27.5	27.9	24.7	25.5	26.1	26.5	6.2	6.1	7.8	16.5	11.2	8.9	9.5	
25	17.8	17.6	17.5	15.6	16.6	16.7	17.0	25.3	25.1	24.9	22.9	24.1	24.2	24.4	8.9	8.5	13.4	17.4	11.2	7.6	11.2	
26	16.0	16.2	16.3	13.6	13.0	12.9	14.7	23.5	23.7	23.8	21.0	20.4	20.3	22.1	9.0	9.0	10.0	11.5	11.5	11.7	10.5	
27	11.7	11.4	11.6	8.8	8.4	6.9	9.8	19.1	18.8	18.9	16.1	15.7	14.2	17.1	12.0	12.1	13.5	16.3	15.0	14.4	13.9	
28	3.0	0.1	997.1	991.4	989.6	993.6	995.8	10.3	7.4	4.2	998.4	996.7	0.8	3.0	14.4	14.3	18.1	19.2	16.3	13.9	16.0	
29	996.1	998.4	998.9	998.2	999.5	999.1	998.4	3.4	5.8	6.2	5.4	6.8	6.4	5.7	10.8	10.3	12.8	15.7	11.0	11.1	12.0	
30	998.7	998.6	0.4	998.9	3.0	3.2	0.5	6.1	6.0	7.6	6.1	10.3	10.6	7.8	10.3	8.6	16.6	17.3	13.3	9.3	12.6	
31	4.1	5.5	7.0	6.7	8.2	8.6	6.7	11.5	12.8	14.2	13.9	15.5	16.1	14.0	11.0	13.0	16.6	19.2	13.5	9.4	13.8	
Mean	9.1	9.4	9.4	7.7	8.7	9.3	8.9	16.5	16.9	16.7	14.9	16.0	16.4	16.2	11.1	10.6	14.8	18.1	14.4	12.2	13.6	

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND												Mean for 24^h	Maximum Dir.	Maximum Vel.	Duration of Sunshine in hours (h)	Total Solar and Sky Radiation (cal./cm²)
2^h	6^h	10^h	14^h	18^h	22^h	Dir.	Vel.										

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.
OCTOBER, 1966.

21

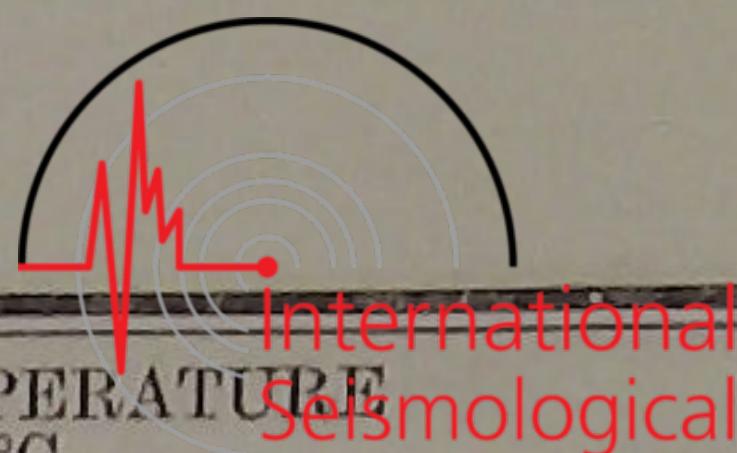


Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)						RELATIVE HUMIDITY (%)						AMOUNT OF CLOUD (0~10)					
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	24.0	7.7	16.3	10.9	10.7	12.9	16.7	16.3	16.3	14.0	94	95	70	56	79	92	81	3	8	10	7.0
2	17.3	13.1	4.2	14.9	16.9	17.6	18.7	17.7	16.9	17.1	93	96	97	97	96	95	96	10	10	10	10.0
3	20.1	15.0	5.1	16.7	16.8	17.8	19.2	19.2	19.3	18.2	96	97	96	84	90	96	93	10	10	10	10.0
4	21.8	12.2	9.6	17.6	16.7	15.7	15.8	12.7	12.2	15.1	96	95	79	66	72	75	81	10	8	8	8.7
5	17.0	6.0	11.0	11.4	10.9	11.1	11.2	10.6	8.7	10.7	88	95	62	61	73	88	78	8	10	0	6.0
6	17.4	1.7	15.7	7.8	6.9	8.0	9.2	9.2	8.7	8.3	92	94	59	46	68	93	75	3	2	0	1.7
7	19.5	3.0	16.5	8.1	7.6	9.4	11.7	11.8	11.2	10.0	95	95	72	53	75	93	81	10	2	10	7.3
8	21.5	8.7	12.8	10.9	11.3	12.5	14.1	14.7	15.7	13.2	94	94	62	57	77	92	79	10	4	10	8.0
9	21.8	11.3	10.5	14.1	13.6	15.9	14.4	15.7	14.4	14.7	94	97	80	56	82	92	84	10	10	10	10.0
10	21.2	11.4	9.8	13.5	12.8	14.6	15.4	15.0	14.6	14.3	92	94	73	65	82	92	83	8	10	10	9.3
11	20.7	10.0	10.7	12.5	12.2	14.9	15.8	15.2	13.9	14.1	94	95	86	67	85	93	87	10	10	10	10.0
12	20.6	12.0	8.6	13.9	14.4	14.1	16.4	13.9	14.2	14.5	94	95	83	70	77	89	85	10	8	10	9.3
13	17.7	11.7	6.0	14.1	14.4	16.4	17.8	17.1	14.3	15.7	92	97	99	95	97	98	96	10	10	6	8.7
14	19.9	12.2	7.7	14.3	14.7	17.0	19.1	18.2	15.2	16.4	98	98	95	83	87	77	90	10	10	4	8.0
15	23.4	12.8	10.6	14.9	14.7	14.8	15.3	15.7	17.2	15.4	95	97	62	55	74	91	79	0	8	10	6.0
16	19.3	11.9	7.4	17.0	17.2	16.4	18.0	15.6	14.1	16.4	94	97	90	82	87	96	91	10	8	10	9.3
17	21.5	10.8	10.7	13.4	13.5	13.1	14.8	13.8	14.6	13.9	98	98	90	59	84	95	87	10	4	10	8.0
18	19.2	10.9	8.3	13.5	13.0	13.6	11.7	12.5	12.6	12.8	94	97	74	62	76	88	82	8	3	10	7.0
19	17.3	8.3	9.0	12.1	11.2	12.0	13.6	13.1	12.7	12.5	92	95	70	82	89	88	86	9	10	10	9.7
20	16.1	9.0	7.1	12.8	10.3	10.8	11.8	10.9	11.3	11.3	92	88	62	75	75	92	81	2	10	8	6.7
21	15.9	7.6	8.3	10.9	10.4	12.3	11.4	11.2	10.2	11.1	94	96	86	71	79	76	84	10	9	7	8.7
22	17.2	8.0	9.2	10.9	11.0	10.8	10.1	10.6	9.8	10.5	92	89	67	61	78	86	79	5	8	1	4.7
23	18.0	4.8	13.2	9.8	8.6	10.4	11.4	11.0	9.7	10.2	92	96	73	57	79	93	82	1	5	0	2.0
24	16.5	5.3	11.2	9.2	9.3	9.6	9.7	11.0	10.7	9.9	97	99	91	52	83	94	86	10	8	10	9.3
25	17.5	7.4	10.1	10.7	10.1	10.5	10.5	9.8	9.5	10.2	94	91	68	53	74	90	78	10	6	6	7.3
26	11.8	8.5	3.3	10.6	10.1	10.9	12.0	12.3	13.0	11.5	92	88	89	89	91	94	91	10	10	10	10.0
27	16.4	11.8	4.6	13.3	13.5	14.2	16.7	15.8	15.7	14.9	95	95	92	90	93	96	94	10	10	10	10.0
28	19.5	12.7	6.8	16.1	16.0	19.9	21.4	17.4	10.8	16.9	98	98	96	96	94	68	92	10	10	10	10.0
29	15.8	9.6	6.2	9.3	9.2	9.3	10.3	9.7	9.5	9.6	72	73	63	58	74	72	69	10	8	10	9.3
30	17.5	8.3	9.2	9.6	9.6	11.5	11.3	11.9	9.9	10.6	77	86	61	57	78	84	74	4	6	1	3.7
31	19.4	8.3	11.1	11.2	10.0	8.9	10.7	10.2	10.5	10.3	85	67	47	48	66	89	67	3	2	0	1.7
Mean	18.8	9.4	9.4	12.5	12.2	13.1	14.1	13.5	12.8	13.0	92	93	77	68	81	89	84	7.9	7.6	7.5	7.7

Day	PRECIPI-TATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)								WEATHER PHENOMENA									
			5 cm			10 cm			Daily Mean											
			6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h												

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

NOVEMBER, 1966.

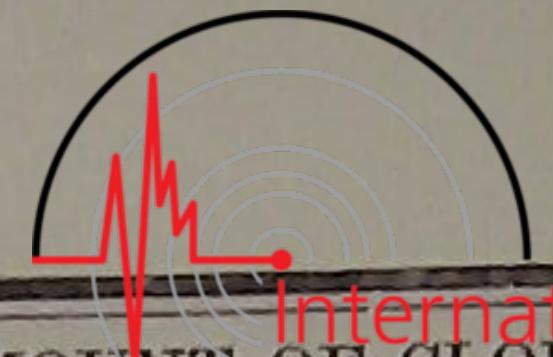


Day	STATION PRESSURE (1000 mb+)							M.S.L. PRESSURE (1000 mb+)							AIR TEMPERATURE °C						
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean
1	7.2	6.3	5.4	1.7	2.6	2.5	4.3	14.7	13.8	12.8	8.8	9.9	9.8	11.6	6.9	6.3	12.1	19.2	15.1	13.4	12.2
2	3.5	5.2	6.4	5.7	7.3	8.3	6.1	10.9	12.6	13.8	13.1	14.7	15.9	13.5	10.6	9.5	10.3	12.0	8.6	6.3	9.6
3	8.1	8.0	8.0	6.9	8.1	10.4	8.3	15.7	15.6	15.5	14.4	15.7	18.0	15.8	6.4	5.9	7.2	7.1	6.4	5.7	6.5
4	11.8	13.5	14.4	13.0	14.7	15.0	13.7	19.4	21.2	21.8	20.3	22.2	22.6	21.3	5.6	0.8	12.2	15.4	9.1	6.4	8.3
5	14.7	15.6	16.5	15.0	16.5	17.1	15.9	22.3	23.3	24.0	22.3	23.9	24.7	23.4	5.0	3.2	10.7	15.5	11.9	7.1	8.9
6	16.3	16.9	15.7	12.1	11.7	10.0	13.8	24.0	24.6	23.2	19.3	19.1	17.4	21.3	4.2	3.3	9.0	16.7	11.3	10.1	9.1
7	7.1	6.5	6.4	5.2	8.5	10.0	7.3	14.5	13.9	13.7	12.4	15.8	17.5	14.6	9.1	9.0	14.5	17.9	14.2	8.3	12.2
8	10.9	12.2	13.5	12.2	13.4	14.5	12.8	18.3	19.6	20.9	19.5	20.9	22.1	20.2	10.9	10.5	14.1	16.3	10.3	4.9	11.2
9	13.9	14.3	14.0	11.0	11.7	11.5	12.7	21.6	22.0	21.5	18.2	19.1	19.0	20.2	3.9	1.6	8.5	17.2	11.4	8.3	8.5
10	10.2	9.4	7.8	3.8	3.6	4.8	6.6	17.7	16.9	15.2	11.0	11.0	12.2	14.0	8.9	8.5	11.6	16.3	12.1	10.1	11.3
11	5.6	7.6	10.7	11.6	14.9	17.1	11.3	13.0	15.0	18.1	19.0	22.4	24.7	18.7	11.2	10.6	12.3	11.6	8.7	6.4	10.1
12	18.2	20.3	20.5	19.2	20.9	21.8	20.2	25.9	28.1	28.2	26.7	28.5	29.5	27.8	2.0	0.5	4.7	11.1	6.3	2.1	4.5
13	21.3	20.7	17.8	10.1	6.3	997.8	12.3	29.1	28.5	25.5	17.5	13.7	5.1	19.9	1.4	1.1	2.8	12.1	10.2	11.4	6.5
14	991.6	988.2	991.1	995.1	998.9	999.9	994.1	998.8	995.4	998.3	2.4	6.3	7.4	1.4	12.7	12.7	13.9	11.3	7.6	5.3	10.6
15	3.9	6.7	11.0	12.8	16.0	18.5	11.5	11.5	14.4	18.7	20.5	23.7	26.2	19.2	3.0	0.0	0.8	2.2	1.7	1.5	1.5
16	19.0	19.9	20.3	17.2	16.5	14.5	17.9	26.9	27.6	28.0	24.7	24.1	22.1	25.6	1.3	1.5	4.3	8.5	7.1	6.2	4.8
17	11.7	9.9	8.8	3.5	1.5	1.7	6.2	19.3	17.6	16.4	10.9	8.9	9.1	13.7	3.8	1.3	5.8	9.5	8.6	8.1	6.2
18	1.1	3.5	6.9	7.8	10.7	11.8	7.0	8.6	11.0	14.3	15.2	18.2	19.4	14.5	4.7	8.3	11.1	10.5	7.7	4.4	7.8
19	11.4	10.7	9.3	4.6	3.7	1.7	6.9	19.1	18.4	16.9	12.0	11.2	9.2	14.5	0.4	0.4	5.6	8.6	8.4	6.7	5.0
20	2.5	3.3	4.7	4.3	6.4	6.4	4.6	10.0	10.8	12.2	11.8	14.0	14.1	12.2	7.0	5.1	6.0	4.9	2.0	-1.2	4.0
21	3.4	0.7	996.4	994.0	998.7	1.2	999.1	11.1	8.4	4.0	1.4	6.3	8.9	6.7	-1.2	-1.7	2.4	7.4	1.1	-1.6	1.1
22	2.6	5.8	10.0	11.8	16.1	18.0	10.7	10.3	13.6	17.8	19.5	23.8	25.9	18.5	-2.2	-3.2	-1.5	2.0	0.6	-3.0	-1.2
23	18.8	19.0	20.6	17.6	18.1	18.0	18.7	26.7	26.8	28.3	25.2	25.8	25.8	26.4	-2.5	-1.2	2.9	7.4	3.2	-0.9	1.5
24	17.4	16.9	17.4	14.6	15.1	15.0	16.1	25.2	24.7	25.1	22.1	22.8	22.7	23.8	-2.1	-2.5	2.3	8.6	4.2	0.6	1.9
25	12.7	7.2	3.3	996.6	993.6	993.7	1.2	20.4	14.9	10.8	4.0	1.0	1.1	8.7	0.7	-0.1	7.4	9.8	9.1	7.4	5.7
26	998.2	2.4	7.3	9.4	12.8	15.0	7.5	5.8	10.1	15.0	17.1	20.5	22.7	15.2	2.7	-0.4	0.7	0.3	0.7	1.5	0.9
27	17.4	18.4	19.5	17.3	18.8	19.4	18.5	25.1	26.2	27.2	24.8	26.5	27.1	26.2	0.5	-0.6	5.0	7.8	4.6	3.3	3.4
28	18.9	18.7	18.7	15.9	14.9	13.9	16.8	26.6	26.5	26.3	23.4	22.4	21.5	24.5	1.7	0.5	6.0	9.7	7.6	5.9	5.2
29	11.4	9.3	7.8	4.2	3.7	2.0	6.4	19.0	16.9	15.4	11.6	11.1	9.4	13.9	4.3	3.3	5.8	10.6	8.6	7.9	6.8
30	2.8	3.9	3.4	999.2	996.8	993.1	999.9	10.3	11.4	10.9	6.6	4.3	0.6	7.4	7.3	5.5	5.7	7.7	5.2	4.3	6.0

Mean	9.8	10.0	10.5	8.4	9.4	9.5	9.6	17.4	17.7	18.0	15.9	16.9	17.1	17.2	4.3	3.3	7.1	10.5	7.5	5.2	6.3
------	-----	------	------	-----	-----	-----	-----	------	------	------	------	------	------	------	-----	-----	-----	------	-----	-----	-----

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND												Mean for 24 ^h	Maximum	
-----	---	--	--	--	--	--	--	--	--	--	--	--	--------------------------	---------	--

NOVEMBER, 1966.

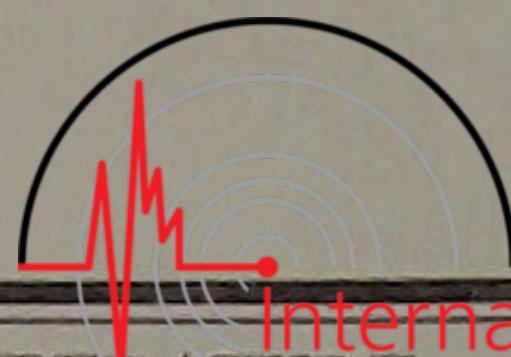


International Seismological Centre

Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)							RELATIVE HUMIDITY (%)							AMOUNT OF CLOUD (0~10)			
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	19.3	5.8	13.5	8.9	9.0	10.6	11.7	10.1	10.6	10.2	90	94	75	53	59	69	73	3	7	10	6.7
2	13.4	5.7	7.7	8.3	7.1	6.5	6.8	6.0	6.5	6.9	65	60	52	49	54	68	58	10	7	10	9.0
3	9.1	5.3	3.8	5.7	6.1	6.5	7.1	6.3	5.7	6.2	59	66	62	70	66	62	64	10	10	2	3.7
4	15.5	0.5	15.0	5.8	5.6	7.2	8.1	8.3	8.8	7.3	64	86	51	46	72	92	69	0	4	10	4.7
5	16.5	2.1	14.4	8.1	7.2	9.9	11.0	10.7	9.3	9.4	93	94	77	63	77	92	83	1	5	4	3.3
6	17.1	2.9	14.2	7.7	7.4	10.7	11.0	10.7	11.3	9.8	93	95	93	58	80	92	85	10	10	10	10.0
7	20.9	7.5	13.4	10.7	10.9	13.0	12.0	9.9	9.4	11.0	93	95	79	59	61	86	79	10	9	0	6.3
8	16.4	4.0	12.4	10.3	8.8	8.4	8.1	7.9	7.7	8.5	79	69	52	43	63	88	66	2	0	0	0.7
9	17.4	1.3	16.1	7.2	6.4	6.5	8.7	10.1	9.7	8.1	89	93	59	44	75	89	75	0	10	8	6.0
10	16.6	8.1	8.5	10.0	9.6	9.7	11.8	11.4	10.9	10.6	88	86	71	64	81	88	80	10	10	4	8.0
11	13.5	5.1	8.4	10.1	8.7	8.9	8.6	7.2	6.5	8.3	76	68	62	63	64	68	67	6	7	1	4.7
12	11.5	-0.2	11.7	6.1	6.0	7.4	8.6	8.6	6.8	7.3	87	95	87	65	90	95	87	10	6	0	5.3
13	12.4	-0.1	12.5	6.6	6.5	7.4	9.7	11.1	12.9	9.0	97	98	99	69	89	95	91	10	10	10	10.0
14	15.5	4.4	11.1	13.8	13.7	14.6	9.0	7.2	6.8	10.9	94	93	92	67	69	76	82	10	9	9	9.3
15	4.4	-0.5	4.9	6.4	6.1	5.7	4.5	4.7	5.4	5.5	85	100	88	63	68	80	81	10	10	10	10.0
16	9.2	1.0	8.2	5.5	6.0	6.5	7.0	7.3	7.9	6.7	82	88	78	63	72	83	78	10	10	10	10.0
17	9.5	0.6	8.9	7.1	6.4	8.6	9.7	10.1	9.6	8.6	89	95	93	82	90	88	90	10	10	9	9.7
18	12.3	1.9	10.4	8.1	7.2	6.9	6.9	6.5	6.0	6.9	95	66	52	54	62	72	67	3	7	0	3.3
19	10.1	-0.5	10.6	5.9	5.8	7.0	7.1	8.9	9.0	7.3	94	93	77	64	81	88	83	8	10	10	9.3
20	7.5	-1.4	8.9	7.8	6.7	6.5	5.0	5.6	4.9	6.1	78	76	69	58	80	88	75	6	5	5	5.3
21	8.3	-3.3	11.6	4.7	4.7	5.8	6.6	5.9	5.4	5.5	84	87	80	65	90	99	84	10	10	10	10.0
22	2.0	-4.0	6.0	5.0	4.3	4.0	4.2	5.2	4.6	4.6	96	89	73	60	81	93	82	10	4	2	5.3
23	7.7	-4.0	11.7	4.7	5.1	5.9	6.2	6.6	5.4	5.7	93	91	78	60	86	94	84	8	10	0	6.0
24	9.1	-2.9	12.0	4.9	4.8	6.8	7.7	7.7	6.0	6.3	94	94	94	69	93	95	90	1	7	10	6.0
25	9.7	-0.8	10.5	6.2	5.8	9.6	9.1	8.9	9.4	8.2	96	96	93	75	77	91	88	10	10	10	10.0
26	5.4	-1.1	6.5	6.2	5.3	5.5	5.4	4.6	4.2	5.2	84	89	86	86	71	62	80	8	10	7	8.3
27	8.7	-0.6	9.3	4.7	5.2	5.4	5.9	7.1	7.1	5.9	75	88	62	56	84	92	76	10	9	10	9.7
28	9.7	0.3	9.4	6.6	6.2	8.3	8.1	8.7	8.6	7.8	96	98	89	67	83	93	88	10	10	10	10.0
29	11.5	2.2	9.3	7.8	7.4	9.0	9.0	9.3	9.4	8.7	94	95	98	70	83	88	88	10	10	10	10.0
30	8.6	4.1	4.5	8.1	5.4	5.4	5.2	5.7	7.0	6.1	79	60	59	49	65	84	66	10	9	10	9.7

Day	PRECIPITATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)										WEATHER PHENOMENA	
			5 cm				10 cm				Daily Mean			
			6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean	20 cm	30 cm		
1	0.0		11.1	14.7	13.1	13.0	12.2	13.7	13.5	13.1	13.8	14.5	D ² , ♦ ⁰	
2	0.0		11.1	13.7	11.0	11.9	12.1	13.0	12.0	12.4	13.3	14.1	D ⁰ , ♦ ⁰	
3	0.1		9.5	11.0	9.0	9.8	10.6	11.1	10.2	10.6	12.1	13.3	♦ ⁰	
4	—		7.2	13.9	10.7	10.6	8.4	11.8	11.1	10.4	11.4	12.6	□ ⁰ , □ ⁰	
5	—		8.5	13.3	11.0	10.9	9.6	9.8	11.6	10.3	11.6	12.4	≡ ⁰ , △ ¹	
6	—		8.9	13.4	11.6	11.3	10.0	12.1	11.8	11.3	11.8	12.5	≡ ¹ , △ ¹	
7	0.1		10.8	16.2	12.7	13.2	11.2	14.1	13.2	12.8	12.6	12.8	♦ ⁰ , △ ¹	
8	—		10.8	15.5	11.3	12.5	11.6	13.9	12.3	12.6	12.8	13.1	△ ¹	
9	—		8.8	14.2	11.7	11.6	10.1	12.5	12.0	11.5	12.1	12.7	□ ⁰ , □ ⁰ , △ ¹	
10	0.1		10.9	14.6	12.7	12.7	11.4	13.1	12.9	12.5	12.4	12.7	♦ ⁰ , △ ¹	
11	0.4		11.1	13.9	10.5	11.8	11.6	12.9	11.4	12.0	12.5	12.8	♦ ⁰ , □ ⁰ , △ ⁰	
12	0.2		7.7	11.4	8.6	9.2	9.2	10.5	9.7	9.8	11.1	12.2	♦ ⁰ , △ ¹ , □ ⁰ , □ ⁰ , ≡ ⁰	
13	11.8		7.6	10.0	10.2	9.3	8.5	9.4	10.2	9.4	10.4	11.6	≡ ¹ , △ ¹ , ● ¹	
14	3.0		11.1	13.0	9.9	11.3	11.0	12.4	10.9	11.4	11.4	11.8	● ⁰ , △ ¹	
15	1.5		7.4	8.0	6.4	7.3	9.0	8.6	7.6	8.4	10.1	11.5	● ⁰ , ✕ ⁰ , ✕ ⁰ , □ ⁰ , ✎	
16	0.2		6.1	8.9	8.0	7.7	7.0	8.5	8.4	8.0	9.1	10.6	✖ ⁰	
17	2.1		6.2	8.8	8.5	7.8	7.5	8.2	8.7	8.1	9.2	10.4	● ¹	
18	0.0		6.9	11.1	8.2	8.7	7.7	9.8	8.8	8.8	9.5	10.5	—	
19	1.2		5.7	9.0	8.3	7.7	7.0	8.5	9.6	8.4	9.1	10.2	● ⁰ , □ ⁰ , □ ⁰ , ▣ ⁰	
20	0.2		7.1	8.2	5.2	6.8	8.0	8.3	6.7	7.7	8.9	10.0	□ ¹ , □ ⁰	
21	4.6		3.5	6.8	5.5	5.3	5.0	6.3	6.2	5.8	7.6	9.2	□ ² , □ ¹ , ▣ ⁰ , ✕ ¹ , ● ⁰	
22	10.1	19	5.0	5.0	4.0	4.7	5.8	5.6	5.0	5.5	7.1	8.7	✖ ¹ , ✎ ⁰	
23	0.4	8	3.5	7.4	4.4	5.1	4.6	5.2	4.7	4.8	6.4	8.1	△ ⁰ , □ ¹ , □ ⁰ , ▣ ⁰ , ✎	
24	0.1	1	2.6	7.2	5.0	4.9	3.6	5.5	5.5	4.9	6.2	7.7	♦ ⁰ , □ ¹ , ▣ ¹ , □ ¹ , ▣ ⁰ , ✎, ≡ ¹	
25	3.0		4.0	6.2	6.7	5.6	4.7	5.7	6.5	5.6	6.6	7.7	□ ⁰ , □ ⁰ , ≡ ¹ , ● ⁰	
26	0.1	0	4.9	6.1	3.7	4.9	5.6	6.2	4.8	5.5	6.8	7.8	✖ ⁰ , ✎ ⁰ , □ ⁰	
27	0.2		3.3	6.9	5.5	5.2	4.2	5.9	5.8	5.3	6.3	7.5	● ⁰ , □ ⁰	
28	0.0		4.4	8.7	7.2	6.8	5.1	7.2	7.3	6.5	6.9	7.7	♦ ⁰ , □ ⁰	
29	—		5.9	8.6	8.0	7.5	6.5	7.7	8.0	7.4	7.6	8.1	≡ ¹ , ♦ ⁰ , △ ¹	
30	0.2		6.9	7.8	6.4	7.0	7.3	7.5	7.1	7.3	7.9	8.5	≡ ⁰ , △ ⁰ , ♦ ⁰	
Mean	39.6		7.3	10.5	8.5	8.6	8.2	9.5	9.1	8.9	9.8	10.8		

DECEMBER, 1966.



Day	STATION PRESSURE (1000 mb+)						M.S.L. PRESSURE (1000 mb+)						AIR TEMPERATURE °C									
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	
1	994.2	1.5	6.3	7.4	10.1	11.5	5.2	1.7	9.2	14.0	15.2	17.9	19.3	12.9	2.7	-0.4	-2.3	-3.0	-3.3	-3.4	-1.6	
2	12.6	13.3	13.9	12.4	14.2	15.0	13.6	20.5	21.2	21.7	20.1	22.1	22.9	21.4	-4.1	-4.1	-1.3	1.4	-2.6	-5.5	-2.7	
3	15.2	16.6	17.9	17.1	18.1	18.2	17.2	23.2	24.5	25.7	24.8	25.9	26.1	25.0	-7.3	-4.8	-0.7	3.9	-0.2	-2.6	-1.9	
4	17.6	16.9	16.0	12.2	12.5	12.8	14.7	25.5	24.7	23.7	19.8	20.2	20.5	22.4	-2.9	-2.3	0.5	4.7	1.5	0.9	0.4	
5	12.6	11.7	11.0	7.2	5.5	2.6	8.4	20.3	19.4	18.6	14.6	13.0	10.2	16.0	1.0	1.1	5.8	9.7	7.4	3.7	4.8	
6	2.7	5.6	9.1	9.3	10.9	12.4	8.3	10.2	13.2	16.8	17.0	18.6	20.1	16.0	5.3	2.0	1.3	2.2	-0.3	-0.4	1.7	
7	12.4	13.5	14.2	12.9	13.9	14.1	13.5	20.2	21.3	21.9	20.5	21.6	21.8	21.2	-0.6	-0.6	2.6	5.0	1.8	0.5	1.5	
8	13.8	13.8	13.0	8.4	6.2	1.5	9.5	21.6	21.6	20.7	16.0	13.8	9.1	17.1	-0.2	-1.6	2.1	4.3	3.4	2.3	1.7	
9	997.3	998.3	999.5	0.7	4.8	5.9	1.1	4.9	5.9	7.1	8.3	12.5	13.6	8.7	1.7	2.8	3.4	2.4	0.2	-0.5	1.7	
10	6.2	6.3	6.4	4.4	4.7	4.9	5.5	13.9	14.0	14.0	12.0	12.4	12.6	13.2	0.0	-0.4	2.3	3.4	1.2	0.9	1.2	
11	5.7	6.1	7.4	6.9	8.7	9.2	7.3	13.4	13.9	15.1	14.5	16.5	17.0	15.1	-0.4	-3.3	0.7	1.5	-0.6	-0.6	-0.4	
12	8.7	8.2	7.6	3.7	1.1	996.2	4.3	16.5	16.0	15.3	11.3	8.7	3.9	12.0	-1.1	-2.5	1.5	3.3	1.2	-1.8	0.1	
13	992.3	993.0	994.1	993.3	994.7	994.7	993.7	999.9	0.6	1.7	0.9	2.4	2.5	1.3	-1.6	-1.1	-0.2	-0.1	-3.6	-4.8	-1.9	
14	995.0	995.0	998.5	0.2	5.0	8.3	0.3	2.9	2.9	6.2	7.8	12.7	16.0	8.1	-9.1	-9.7	-3.2	2.3	1.1	2.0	-2.8	
15	11.4	12.6	13.8	12.6	12.7	12.3	12.6	19.1	20.4	21.5	20.3	20.4	20.0	20.3	0.2	0.1	2.3	2.1	1.5	0.2	1.1	
16	10.5	6.7	6.3	5.2	7.6	8.0	7.4	18.2	14.4	13.9	12.7	15.2	15.6	15.0	0.3	0.2	2.0	6.7	4.0	3.0	2.7	
17	8.4	10.0	11.9	11.2	12.5	12.3	11.1	16.0	17.7	19.5	18.8	20.2	20.0	18.7	3.6	1.5	5.0	4.9	1.5	0.7	2.9	
18	11.4	12.0	15.2	13.9	17.0	18.3	14.6	19.1	19.7	22.8	21.5	24.7	26.2	22.3	0.2	2.4	4.5	5.3	2.5	-2.6	2.1	
19	18.1	16.9	16.3	10.8	8.0	5.2	12.6	26.0	24.8	24.0	18.4	15.6	12.8	20.3	-2.6	-4.2	1.2	5.4	3.9	3.7	1.2	
20	0.5	997.9	3.6	3.5	8.8	9.8	4.0	8.1	5.4	11.2	11.2	16.6	17.6	11.7	0.9	5.9	3.2	0.4	-2.2	-3.2	0.8	
21	10.2	11.0	12.3	11.1	11.9	12.5	11.5	18.0	18.8	20.0	18.8	19.7	20.3	19.3	-2.9	-3.6	-0.2	-0.2	-1.5	-2.0	-1.7	
22	11.4	10.3	10.7	9.0	10.4	11.6	10.6	19.2	18.1	18.5	16.7	18.2	19.4	18.4	-2.6	-3.4	-0.9	0.5	-1.7	-2.3	-1.7	
23	11.9	13.0	14.4	11.3	12.7	12.1	12.6	19.7	20.8	22.1	19.0	20.5	19.9	20.3	-1.9	-2.0	1.0	2.0	-0.2	-1.4	-0.4	
24	9.5	8.9	8.9	6.6	6.9	7.4	8.0	17.3	16.7	16.7	14.2	14.6	15.2	15.8	-1.6	-2.3	-0.6	1.6	-1.6	-3.6	-1.3	
25	6.7	7.1	7.5	5.8	6.1	6.8	6.7	14.5	14.9	15.3	13.6	13.9	14.6	14.5	-5.1	-4.7	-3.3	-3.2	-5.0	-4.8	-4.3	
26	5.7	3.0	2.8	0.7	1.9	1.3	2.6	13.6	10.9	10.6	8.4	9.7	9.1	10.4	-7.7	-6.6	-2.6	-2.1	-3.8	-6.2	-4.8	
27	0.0	999.9	0.9	0.0	3.5	5.2	1.6	7.9	7.8	8.7	7.7	11.2	13.0	9.4	-7.7	-9.4	-5.2	-0.1	-1.7	-3.9	-4.7	
28	6.1	7.7	9.7	9.4	10.9	12.5	9.4	13.9	15.5	17.5	17.2	18.7	20.4	17.2	-4.0	-4.0	-3.2	-2.9	-4.2	-4.0	-3.7	
29	13.2	14.2	16.7	16.2	17.6	18.4	16.1	21.1	22.1	24.5	24.0	25.5	26.3	23.9	-3.8	-3.5	-2.0	-1.4	-2.2	-3.0	-2.6	
30	19.0	19.7	20.6	19.2	20.6	20.7	20.0	26.9	27.6	28.4	27.0	28.4	28.5	27.8	-3.5	-2.9	-0.5	-0.1	-0.1	0.8	-1.3	
31	20.7	20.0	19.6	17.4	17.3	16.0	18.5	28.6	27.9	27.4	25.1	25.1	23.8	26.3	-1.8	-2.4	0.1	2.8	-1.0	-2.5	-0.8	
Mean	8.4	8.7	9.9	8.4	9.6	9.6	9.1	16.2	16.5	17.8	16.0	17.3	17.4	16.8	-1.8	-2.1	0.4	2.0	-0.1	-1.4	-0.5	

Day	DIRECTION AND VELOCITY (m.p.s.) OF THE WIND				
-----	---	--	--	--	--

DECEMBER, 1966.


 International Seismological Centre

Day	AIR TEMPERATURE °C			VAPOUR PRESSURE (mb)							RELATIVE HUMIDITY (%)							AMOUNT OF CLOUD (0~10)			
	Max.	Min.	Range	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean
1	4.9	-3.6	8.5	6.5	5.1	4.8	4.6	4.5	4.5	5.0	88	85	93	93	94	95	91	10	10	10	10.0
2	2.1	-6.5	8.6	4.3	4.2	5.2	5.0	4.1	3.6	4.4	95	94	94	73	81	88	88	10	10	0	6.7
3	4.1	-8.0	12.1	3.3	3.9	5.3	5.1	5.2	4.7	4.6	93	91	91	63	87	94	87	9	3	7	6.3
4	4.8	-3.1	7.9	4.8	5.1	5.6	6.7	6.1	6.2	5.8	97	98	89	78	89	95	91	10	9	6	8.3
5	10.6	0.3	10.3	6.3	6.4	8.8	8.2	8.0	7.1	7.5	96	97	95	68	78	89	87	10	10	8	9.3
6	6.2	-1.2	7.4	6.5	5.9	5.4	4.6	4.4	4.0	5.1	73	84	81	65	73	68	74	10	7	4	7.0
7	6.1	-0.9	7.0	4.3	4.2	4.6	4.7	4.9	5.1	4.6	73	72	63	54	70	81	69	6	8	8	7.3
8	4.5	-2.5	7.0	5.5	4.9	5.7	5.5	5.9	5.8	5.6	91	91	80	66	76	81	81	9	10	8	9.0
9	5.2	-0.7	5.9	6.3	5.6	6.0	4.6	3.8	3.8	5.0	91	75	77	63	62	64	72	4	10	0	4.7
10	3.7	-1.4	5.1	3.7	4.0	4.4	5.0	4.3	4.5	4.3	61	68	61	64	64	69	65	10	10	10	10.0
11	2.7	-3.6	6.3	4.6	4.0	4.4	4.6	5.0	4.3	4.5	78	83	69	67	86	73	76	0	7	1	2.7
12	4.0	-2.8	6.8	4.3	4.2	4.1	3.8	4.5	5.3	4.4	76	82	60	49	67	98	72	5	0	10	5.0
13	0.8	-6.7	7.5	5.2	5.3	5.4	3.6	3.3	3.5	4.4	95	93	89	59	71	82	82	10	0	0	3.3
14	2.8	-10.4	13.2	2.8	2.6	3.8	4.6	5.3	4.3	3.9	92	88	78	64	80	61	77	1	0	0	0.3
15	2.9	-1.1	4.0	4.1	4.5	4.5	4.3	4.3	4.8	4.4	66	73	63	60	63	77	67	8	6	10	8.0
16	6.8	-0.6	7.4	5.4	5.3	5.9	7.1	6.2	5.3	5.9	86	86	83	72	76	70	79	10	10	0	6.7
17	5.7	-1.1	6.8	5.1	5.4	4.4	4.5	4.4	4.8	4.8	64	80	51	52	65	74	64	10	3	10	7.7
18	5.5	-2.7	8.2	5.0	6.6	5.3	4.8	4.2	4.7	5.1	80	90	63	54	58	93	73	6	1	0	2.3
19	5.4	-4.4	9.8	4.6	4.2	5.4	4.8	5.8	6.6	5.2	91	94	81	53	72	83	79	7	10	10	9.0
20	6.1	-3.5	9.6	6.3	7.9	4.8	4.5	3.0	3.2	5.0	96	85	62	72	57	67	73	10	0	7	5.7
21	0.6	-3.7	4.3	3.2	3.4	3.7	3.9	3.6	3.5	3.6	64	72	62	65	65	66	66	0	4	3	2.3
22	2.0	-4.6	6.6	3.9	3.8	4.0	3.8	4.0	3.4	3.8	78	81	70	60	74	65	71	7	2	2	3.7
23	3.7	-2.5	6.2	3.1	3.2	3.1	3.0	3.1	4.0	3.3	58	60	47	43	52	73	56	2	0	10	4.0
24	1.9	-5.1	7.0	4.3	4.5	4.2	4.0	4.3	3.8	4.2	79	86	72	58	79	80	76	10	2	0	4.0
25	-2.4	-6.1	3.7	3.5	3.7	3.6	2.8	2.7	3.0	3.2	84	85	75	58	65	70	73	10	7	10	9.0
26	-1.8	-8.3	6.5	2.9	3.2	4.4	3.6	3.1	2.8	3.3	86	87	87	68	67	73	78	8	3	0	3.7
27	0.7	-9.9	10.6	2.8	2.4	3.2	3.2	3.3	4.1	3.2	82	80	78	52	61	90	74	1	10	10	7.0
28	-1.5	-5.5	4.0	4.1	4.1	4.4	4.4	3.4	4.2	4.1	90	90	92	89	75	92	88	10	10	10	10.0
29	-1.1	-6.1	5.0	3.5	3.4	4.0	3.4	3.6	3.8	3.6	77	72	76	62	69	77	72	8	10	10	9.3
30	0.2	-4.5	4.7	4.2	3.4	4.1	4.9	4.2	3.9	4.1	88	70	70	81	70	67	74	10	10	10	10.0
31	3.1	-3.4	6.5	4.8	4.8	5.6	5.1	4.8	4.7	5.0	90	94	91	69	84	92	87	10	10	10	10.0
Mean	3.2	-4.0	7.2	4.5	4.5	4.8	4.6	4.4	4.4	4.5	83	83	76	64	72	79	76	7.5	6.2	5.9	6.5

Day	PRECIPI-TATION (mm)	Depth of Snow Cover (cm)	EARTH TEMPERATURE (°C)							WEATHER PHENOMENA						WEATHER PHENOMENA			
			5 cm			10 cm			Daily Mean		WEATHER PHENOMENA				WEATHER PHENOMENA				
			6 ^h	14 ^h	22 ^h	Mean	6 ^h	14 ^h	22 ^h	Mean	20 cm	30 cm	WEATHER PHENOMENA				WEATHER PHENOMENA		
1	5.9	1	4.8</td																

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

1966.



Month	AIR PRESSURE (STATION) 1000 mb+							AIR PRESSURE (Mean Sea Level) 1000 mb+										
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean				
January	4.8	5.4	6.3	4.6	5.5	5.3	5.3	12.9	13.5	14.4	12.6	13.6	13.4	13.4				
February	7.4	7.8	8.5	6.8	7.8	7.9	7.7	15.5	15.9	16.5	14.8	15.8	16.0	15.8				
March	3.1	3.2	3.5	1.9	3.1	4.1	3.1	11.0	11.2	11.4	9.7	11.0	12.0	11.1				
April	7.9	8.5	8.1	6.2	6.9	8.3	7.6	15.7	16.3	15.9	13.8	14.6	16.1	15.4				
May	5.1	5.6	5.1	3.7	4.3	5.5	4.9	12.9	13.4	12.7	11.1	11.8	13.2	12.5				
June	3.8	4.6	4.5	3.6	3.6	4.5	4.1	11.4	12.1	12.0	11.0	11.0	12.0	11.6				
July	1.8	2.0	1.6	0.7	1.0	2.1	1.5	9.2	9.4	9.0	8.0	8.3	9.5	8.9				
August	2.4	3.0	3.1	1.8	2.2	3.3	2.6	9.8	10.4	10.3	9.0	9.5	10.7	10.0				
September	4.6	4.8	4.9	3.5	4.3	5.3	4.6	12.1	12.3	12.3	10.8	11.8	12.8	12.0				
October	8.8	9.1	9.1	7.4	8.4	9.0	8.6	16.5	16.9	16.7	14.9	16.0	16.4	16.2				
November	9.5	9.7	10.2	8.1	9.1	9.2	9.3	17.4	17.7	18.0	15.9	16.9	17.1	17.2				
December	8.1	8.4	9.6	8.1	9.3	9.3	8.8	16.2	16.5	17.8	16.0	17.3	17.4	16.8				
Annual	5.6	6.0	6.2	4.7	5.5	6.2	5.7	13.4	13.8	13.9	12.3	13.1	13.9	13.4				
Month	AIR TEMPERATURE °C												AMOUNT OF CLOUD 0~10					
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	Mean			Absolute			6 ^h	14 ^h	22 ^h	Mean	
Max.	Min.	Range	Max.	Date	Min.	Date	Max.	Min.	Date	Max.	Min.	Date	Max.	Min.	Mean			
January	-3.2	-3.7	-1.2	0.1	-1.6	-2.5	-2.0	1.4	-6.0	7.4	6.5	6	-12.7	31	8.9	8.3	8.4	8.5
February	-1.8	-2.0	0.6	2.7	0.6	-1.2	-0.2	4.4	-4.3	8.7	12.2	18	-8.2	13	7.9	8.1	6.5	7.5
March	1.4	0.8	4.6	6.9	4.4	2.2	3.4	8.4	-0.9	9.3	18.4	4	-3.9	12	7.2	8.6	7.6	7.8
April	6.0	5.6	10.6	13.9	10.4	7.3	9.0	14.8	3.7	11.1	23.4	29	-3.3	6	8.5	7.2	7.0	7.6
May	9.9	10.4	16.3	19.5	16.1	11.7	14.0	20.3	7.7	12.6	28.7	19	1.1	1	6.4	6.8	5.7	6.3
June	14.1	14.8	18.3	20.4	18.3	15.3	16.9	21.4	12.8	8.6	29.4	23	5.1	12	8.3	8.0	8.2	8.2
July	18.3	18.5	22.1	24.2	22.5	19.6	20.9	25.2	16.9	8.3	33.1	28	9.7	1, 6	9.4	8.7	7.7	8.6
August	21.2	21.4	24.8	27.4	24.7	22.2	23.6	27.9	20.3	7.6	33.3	7	13.9	2	9.2	7.5	8.5	8.4
September	16.0	15.8	20.3	22.7	19.1	16.7	18.4	23.4	14.4	9.0	32.0	8	5.8	30	8.1	8.2	8.7	8.3
October	11.1	10.6	14.8	18.1	14.4	12.2	13.6	18.8	9.4	9.4	24.0	1	1.7	6	7.9	7.6	7.5	7.7
November	4.3	3.3	7.1	10.5	7.5	5.2	6.3	11.6	1.5	10.1	20.9	7	-4.0	22, 23	7.5	8.2	6.7	7.3
December	-1.8	-2.1	0.4	2.0	-0.1	-1.4	-0.5	3.2	-4.0	7.2	10.6	5	-10.4	14	7.5	6.2	5.9	6.5
Annual	8.0	7.8	11.6	14.0	11.4	8.9	10.3	15.1	6.0	9.1					8.1	7.8	7.4	7.7
Month	VAPOUR PRESSURE mb							RELATIVE HUMIDITY %							VELOCITY OF WIND m.p.s.			
	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	2 ^h	6 ^h	10 ^h	14 ^h	18 ^h	22 ^h	Mean	Mean for 24 ^h	Maximum		
	Vel.	Dir.	Date															
January	4.0	4.0	4.3	4.4	4.3	4.3	4.2	82	84	77	71	79	82	79	3.4	18.8	WNW	18
February	4.6	4.4	4.8	5.0	4.9	4.7	4.7	83	82	73	65	75	80	76	2.8	19.3	WNW	4
March	5.6	5.4	5.8	6.2	5.9	5.8	5.8	81	81	68	61	68	77	73	3.4	20.0	WNW	5
April	8.1	7.9	8.6	8.6	8.6	8.3	8.4	82	82	64	52	65	77	70	3.5	10.0	WNW	2
May	10.5	10.4	11.2	11.3	10.9	11.2	10.9	85	81	61	51	60	80	70	3.4	14.3	WSW	10
June	15.0	15.2	15.7	16.6	16.1	15.4	15.7	91	89	74	69	76	86	81	3.3	13.3	NNW	29
July	20.3	20.5	22.0	22.4	22.1	21.2	21.4	94	94	82	73	80	91	86	2.4	8.0	S	31
August	23.8	24.3	24.7	26.5	25.7	24.7	25.0	93	94	79	73	82	92	86	2.6	8.5	SSW	20
September	17.3	17.2	18.0	18.7	18.0	17.6	17.8	93	93	75	67	80	90	83	2.2	12.2	S	10
October	12.5	12.2	13.1	14.1	13.5	12.8	13.0	92	93	77	68	81	89	84	1.8	9.0	NNW	28
November	7.3	6.8	7.8	8.0	7.9	7.8	7.6	86	87	76	62	76	85	79	2.5	9.5	S	14
December	4.5	4.5	4.8	4.6	4.4	4.4	4.5	83	83	76	64	72	79	76	2.9	10.8	WNW,NNW	1,21
Annual	11.1	11.1	11.7	12.2	11.9	11.5	11.6	87	87	74	65	75	84	79	2.9			

Monthly means of air pressure (station) since July were reduced to the values in the old observation room.

1966.



Month	PRECIPITATION mm					EARTH TEMPERATURE °C											
	Sum	Maximum				5 cm				Depth (m)							
		24 ^h	Date	One Hour	Date	6 ^h	14 ^h	22 ^h	Mean	0.1	0.2	0.3	0.5	1.0	2.0	3.0	6.0
January	98.5	21.7	4	—	—	0.8	1.2	0.9	0.9	0.9	1.8	2.6	3.8	6.1	11.2	12.7	13.1
February	63.2	17.4	28	—	—	0.8	2.0	1.2	1.3	1.1	1.7	2.3	3.1	4.9	9.8	11.6	12.9
March	144.7	37.6	16	—	—	3.0	7.1	4.6	4.9	4.8	4.8	4.9	5.1	5.7	8.9	10.7	12.6
April	82.1	43.2	16	—	—	7.6	13.2	9.9	10.3	10.0	9.4	9.0	8.0	7.4	8.8	10.5	12.2
May	87.4	27.8	8	9.7	8	12.6	18.6	15.2	15.5	15.3	14.8	14.1	13.1	11.4	9.7	10.1	11.9
June	221.5	79.6	28	26.2	23	16.3	20.7	18.2	18.4	18.2	17.5	16.9	15.9	14.0	11.1	10.7	11.7
July	133.4	22.4	8	8.3	22	20.7	24.0	22.4	22.4	22.1	21.2	20.5	19.3	17.1	12.7	11.6	11.7
August	73.9	33.6	13	24.6	13	23.7	26.8	25.1	25.2	25.0	24.0	23.3	22.0	19.6	14.4	12.6	11.8
September	173.0	82.4	25	29.3	25	19.4	23.3	20.7	21.1	21.2	21.1	21.1	21.1	20.1	15.8	13.8	12.1
October	166.6	68.3	13	14.1	13	14.2	17.9	15.6	15.9	15.9	16.1	16.4	17.1	17.5	16.1	14.5	12.4
November	39.6	11.8	13	—	—	7.3	10.5	8.5	8.6	8.9	9.8	10.8	12.3	14.1	15.3	14.6	12.8
December	19.2	5.9	1	—	—	1.7	3.1	2.1	2.3	2.7	3.8	4.9	6.7	9.6	13.6	14.1	13.1
Annual	1303.1					10.7	14.0	12.0	12.2	12.2	12.2	12.2	12.3	12.3	12.3	12.3	12.4

NUMBER OF OBSERVATIONS OF THE WIND FROM

Month \ Dir.	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	calm	broken
January	117	33	30	25	17	10	19	35	44	23	9	18	61	91	79	75	58	—
February	93	32	36	11	28	14	12	17	43	24	13	4	29	60	89	123	44	—
March	57	20	25	13	18	11	12	29	54	35	27	29	50	97	95	140	32	—
April	77	9	12	11	6	10	14	71	122	55	26	20	36	53	84	95	19	—
May	106	30	30	16	10	8	22	49	61	45	17	23	59	57	68	127	16	—
June	83	17	15	9	4	9	26	89	194	82	21	13	14	21	32	80	11	—
July	56	28	32	18	6	8	20	59	155	119	29	11	21	11	43	57	71	—
August	60	21	11	4	1	4	11	78	291	72	26	12	14	19	34	61	25	—
September	104	39	20	14	11	7	28	49	127	41	12	10	19	44	55	107	33	—
October	97	52	35	12	17	10	13	27	76	59	34	27	28	30	72	114	41	—
November	104	36	24	13	14	12	24	25	66	50	29	18	19	23	63	154	46	—
December	126	59	28	13	9	13	12	14	27	24	34	11	22	33	97	188	34	—
Sum	1080	376	298	159	141	116	213	542	1260	629	277	196	372	539	811	1321	430	—

	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
--	------	------	------	------	------	------	------	------	------	------	------	------	--------

NUMBER OF OBSERVATIONS OF THE WIND VELOCITY (classified by velocity)

0.0~ 0.5 m/s	109	87	67	41	53	31	91	61	83	109	109	79	920
0.6~ 4.9	460	457	515	494	493	538	601	598	573	621	499	538	6387
5.0~ 9.9	141	122	141	184	186	144	52	85	61	14	112	126	1368
10.0~14.9	31	3	18	1	12	7	—	—	3	—	—	1	76
15.0~28.9	3	3	3	—	—	—	—	—	—	—	—	—	9
≥29.0	—	—	—	—	—	—	—	—	—	—	—	—	—
broken	—	—	—	—	—	—	—	—	—	—	—	—	—

NUMBER OF DAYS WITH GALE

10.0~14.9 m/s	6	9	8	2	7	2	—	—	1	—	—	2	37
15.0~28.9	4	1	3	—	—	—	—	—	—	—	—	—	8
≥29.0	—	—	—	—	—	—	—	—	—	—	—	—	—
Sum	10	10	11	2	7	2	—	—	1	—	—	2	45

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA.

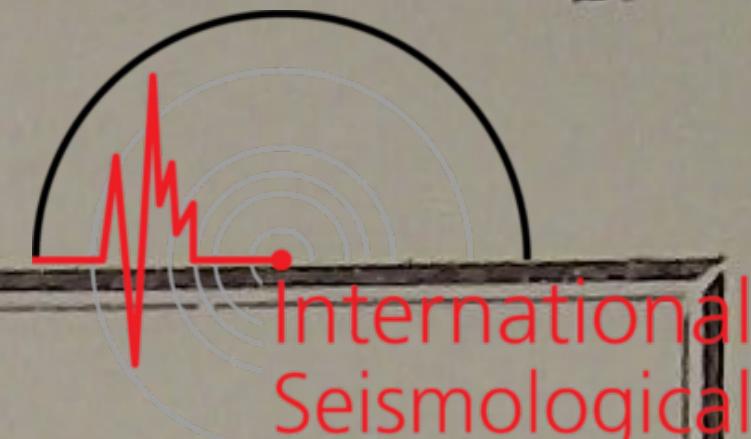
1966.



	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
MONTHLY TOTAL DURATION OF SUNSHINE (in hours)													
	94.0	114.9	128.5	175.4	214.4	133.6	97.4	139.0	113.7	118.9	97.2	111.8	1538.8
RATE OF SUNSHINE(%)													
	31	39	35	44	49	30	22	33	30	34	32	38	35
NUMBER OF DAYS WITH PRECIPITATION (classified by Amount)													
0.0 mm	2	1	2	2	3	5	2	4	4	1	4	4	34
≥ 0.1	28	24	21	11	13	17	15	12	15	18	20	21	215
≥ 1.0	17	11	13	7	11	15	14	5	9	16	8	4	130
≥ 10.0	3	1	4	2	3	6	6	2	4	5	2	—	38
≥ 30.0	—	—	2	1	—	2	—	1	1	1	—	—	8
≥ 50.0	—	—	—	—	—	1	—	—	1	1	—	—	3
NUMBER OF DAYS WITH THE WEATHER PHENOMENA													
Month	Clear	Cloudy	Rain ●	Snow *	Rain and Snow mixed ☀	Drizzle ,	Snow pellets ☂	Small hail ☃	Hail ▲	Ice pellets △	Fog ≡	Hoar frost □	
January	—	23	7	27	4	—	3	—	—	—	—	5	
February	—	13	14	14	2	2	—	—	—	—	—	8	
March	1	18	14	11	4	—	3	—	—	—	—	6	
April	1	15	9	—	1	3	—	—	—	—	—	6	
May	7	13	14	—	—	3	—	—	—	—	1	—	
June	2	22	16	—	—	5	—	—	—	—	—	—	
July	—	23	16	—	—	2	—	—	—	—	8	—	
August	—	22	11	—	—	6	—	—	—	—	7	—	
September	2	22	16	—	—	1	—	—	—	—	3	—	
October	3	19	19	—	—	—	—	—	—	—	10	1	
November	1	16	15	4	1	—	3	—	—	—	7	9	
December	3	13	5	19	—	—	2	—	—	1	—	17	
Sum	20	219	156	75	12	22	11	—	—	1	36	52	
Month	Ice columns ↘	Air hoar ↙	Soft rime ↖	Hard rime ↗	Glaze ☈	Snow Coverage ☒	Freezing ☉	Thunder-storm ☮	Lighting <	Solar halo ☀	Lunar halo ☽	Sunless ☿	
January	3	—	—	—	—	29	29	—	—	1	1	4	
February	6	—	—	—	—	21	25	—	—	—	—	4	
March	9	—	—	—	—	13	24	—	—	2	—	3	
April	—	—	—	—	—	—	9	—	—	1	1	6	
May	—	—	—	—	—	—	—	—	—	1	—	4	
June	—	—	—	—	—	—	—	2	—	1	—	10	
July	—	—	—	—	—	—	—	—	—	—	—	9	
August	—	—	—	—	—	—	—	3	1	—	—	7	
September	—	—	—	—	—	—	—	—	—	—	—	7	
October	—	—	—	—	—	—	—	2	1	—	—	5	
November	4	1	—	—	—	5	13	—	—	—	—	2	
December	24	—	—	—	—	17	31	—	—	—	—	2	
Sum	46	1	—	—	—	85	131	7	2	6	2	63	

METEOROLOGICAL OBSERVATIONS AT MIZUSAWA

1966.



FIVE-DAYS MEANS

Month	Five-days Period	Air Pressure (M.S.L.) 100 mb+	Air Temperature °C	Vapour Pressure mb	Relative Humidity %	Amount of Clouds 0~10	Velocity of Wind m.p.s.	Precipitation (Total) mm
Jan.	1~5	8.7	-0.3	5.0	82	9.6	2.7	31.5
	6~10	11.6	0.2	4.7	76	8.9	4.3	6.1
	11~15	13.3	-1.3	4.3	78	7.6	4.8	15.1
	16~20	11.9	-3.7	3.7	78	6.8	3.6	27.9
	21~25	21.6	-3.3	3.7	78	8.4	2.7	6.0
	26~30	12.9	-3.1	4.1	82	9.6	2.5	11.4
Feb.	31~4	10.8	-0.5	4.4	74	7.2	2.8	4.1
	5~9	13.5	-2.7	3.9	76	7.7	2.6	3.7
	10~14	12.7	-1.7	4.1	74	8.7	3.7	5.2
	15~19	16.7	1.0	4.8	73	6.4	3.1	11.8
	20~24	19.8	0.3	5.3	82	8.7	2.5	16.7
	25~1	21.6	3.1	6.2	81	6.3	1.8	22.2
Mar.	2~6	11.7	6.8	8.3	78	9.5	3.6	14.2
	7~11	17.5	1.2	4.4	65	7.2	3.2	4.3
	12~16	12.6	4.0	5.7	70	5.5	3.4	38.0
	17~21	1.5	1.1	5.1	77	8.7	4.0	27.5
	22~26	5.9	2.7	5.5	74	8.5	2.9	26.2
	27~31	15.6	3.8	5.6	71	8.0	3.6	34.5
Apr.	1~5	15.2	5.4	5.8	65	6.8	3.6	0.6
	6~10	19.0	7.2	6.8	66	6.9	3.8	19.9
	11~15	17.9	7.1	6.1	62	6.4	2.9	2.5
	16~20	10.8	7.5	7.3	70	7.3	4.0	44.2
	21~25	19.5	12.4	11.6	81	8.7	2.8	6.0
	26~30	10.1	14.1	12.6	78	9.3	4.0	8.9
May	1~5	11.1	10.7	8.8	69	5.1	3.6	22.4
	6~10	9.2	14.5	11.9	73	8.7	4.4	28.9
	11~15	10.6	13.6	10.7	70	5.3	3.0	16.9
	16~20	17.3	14.4	10.5	68	2.3	2.7	0.8
	21~25	14.8	12.9	10.7	72	9.9	4.3	9.4
	26~30	11.8	17.3	12.9	68	6.9	2.7	9.0
Jun.	31~4	13.3	13.9	12.5	80	8.5	3.1	3.4
	5~9	14.5	15.4	14.6	85	7.6	2.8	17.2
	10~14	13.8	13.8	10.7	71	5.7	3.7	15.1
	15~19	12.8	18.3	17.1	82	9.5	2.8	2.5
	20~24	11.8	20.3	19.4	69	9.0	3.7	32.7
	25~29	4.4	19.4	19.3	85	9.1	3.9	150.6
Jul.	30~4	6.9	15.3	14.4	84	8.1	2.8	23.7
	5~9	7.9	18.4	17.9	85	7.5	2.2	22.4
	10~14	10.8	21.4	19.9	80	7.3	2.2	10.6
	15~19	8.4	22.1	24.7	93	9.3	2.6	40.7
	20~24	10.5	22.4	22.9	85	9.4	2.2	23.8
	25~29	10.8	25.1	26.9	85	8.6	1.9	1.9
Aug.	30~3	4.0	20.1	20.1	86	8.1	3.1	10.6
	4~8	4.6	23.0	23.0	82	6.1	2.2	—
	9~13	10.3	23.0	24.7	88	9.3	2.3	33.9
	14~18	8.8	24.1	27.3	76	10.0	2.9	33.1
	19~23	12.9	26.1	28.8	86	8.9	4.1	1.3
	24~28	14.7	23.7	24.7	84	8.6	2.4	5.3
Sep.	29~2	12.2	24.4	24.2	80	7.9	2.1	0.3
	3~7	14.0	19.8	15.1	79	8.9	2.1	—
	8~12	8.4	23.4	25.3	89	10.0	3.0	18.3
	13~17	12.0	16.6	14.9	79	8.1	1.6	3.9
	18~22	16.4	16.2	16.0	88	9.3	2.4	62.1
	23~27	9.1	16.6	16.1	86	9.2	2.3	88.0
Oct.	28~2	16.2	14.6	13.4	82	4.7	1.5	10.7
	3~7	22.8	12.9	12.5	82	6.7	1.9	8.1
	8~12	19.0	15.1	14.2	84	9.3	1.8	—
	13~17	9.1	15.6	15.6	89	8.0	1.5	100.3
	18~22	12.6	12.3	11.6	82	7.4	2.3	12.1
	23~27	23.0	11.1	11.3	86	7.7	1.2	11.2
Nov.	28~1	8.4	13.3	11.5	75	6.3	2.5	24.6
	2~6	19.1	8.5	7.9	72	6.1	2.6	0.1
	7~11	17.5	10.7	9.3	73	5.1	1.9	0.6
	12~16	18.8	5.6	7.9	84	8.9	3.2	16.7
	17~21	12.3	4.8	6.9	80	7.5	3.8	8.1
	22~26	18.5	1.8	6.0	85	7.1	2.6	13.7
Dec.	27~1	17.0	4.0	6.7	82	9.9	2.3	6.3
	2~6	20.2	0.5	5.5	85	7.5	1.9	2.5
	7~11	15.1	1.1	4.8	73	6.7	2.9	0.6
	12~16	11.3	-0.2	4.6	75	4.7	3.2	4.3
	17~21	18.5	1.1	4.7	71	5.4	3.6	1.2
	22~26	15.9	-2.5	3.6	71	4.9	2.8	1.1
	27~31	20.9	-2.6	4.0	79	9.3	2.6	3.6
Mean		13.4	10.3	11.7	78	7.7	2.9	1303.1

1966.



GENERAL REMARKS

		First Day (last year) 1965	Last Day (this year) 1966	First Day (this year) 1966
Min. Air Temp. below 0°:	Nov. 11	Apr. 14	Nov. 12	
Mean Air Temp. below 0°:	Dec. 6	Mar. 21	Nov. 22	
Max. Air Temp. below 0°:	Dec. 16	Feb. 24	Dec. 25	
Max. Air Temp. below 25°:		Sept. 14	May 10	
Mean Air Temp. above 25°:		Sept. 10	July 21	
Max Air Temp. above 30°:		Sept. 8	July 21	
Hoar Frost:	Oct. 22	Apr. 14		
Snow:	Nov. 10	Mar. 30		
Snow on Ground:	Nov. 11	Mar. 30		
Max. Continuance of Days with Min. Temp. below 0° is 45 Days:		from Jan. 7 to Feb. 20		
Max. Continuance of Days with Mean Temp. below 0° is 20 Days:		from Jan. 12 to Jan. 31		
Max. Continuance of Days with Max. Temp. above 30° is 5 Days:		from Aug. 20 to Aug. 24		
Max. Continuance of Days with Precipitation is 13 Days:		from Dec. 31 to Jan. 12		
Max. Continuance of Days without precipitation is 8 Days:		from Feb. 12 to Feb. 24		
		from Aug. 4 to Aug. 11		
		from Oct. 5 to Oct. 12		

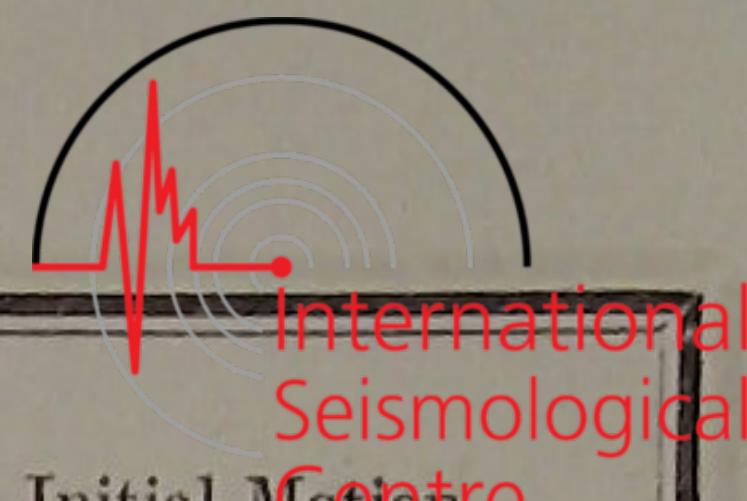
Continuance of more than 5 Days with precipitation are:

- | | |
|--|---------------------------------|
| 13 Days: from Dec. 31 (1965) to Jan. 12. | |
| 8 Days: from Jan. 17 to Jan. 24 | 5 Days: from July 15 to July 19 |
| 7 Days: from Jan. 26 to Feb. 1 | 5 Days: from Aug. 22 to Aug. 26 |
| 8 Days: from Feb. 3 to Feb. 10 | 8 Days: from Oct. 16 to Oct. 23 |
| 13 Days: from Feb. 12 to Feb. 24 | 5 Days: from Oct. 26 to Oct. 30 |
| 12 Days: from Mar. 16 to Mar. 27 | 8 Days: from Nov. 10 to Nov. 17 |
| 5 Days: from Apr. 23 to Apr. 27 | 9 Days: from Nov. 19 to Nov. 27 |
| 5 Days: from June 25 to June 29 | 5 Days: from Dec. 11 to Dec. 15 |
| | 8 Days: from Dec. 24 to Dec. 31 |



SEISMOLOGICAL OBSERVATIONS

SEISMOLOGICAL OBSERVATIONS AT MIZUSAWA.
EARTHQUAKES, 1966.



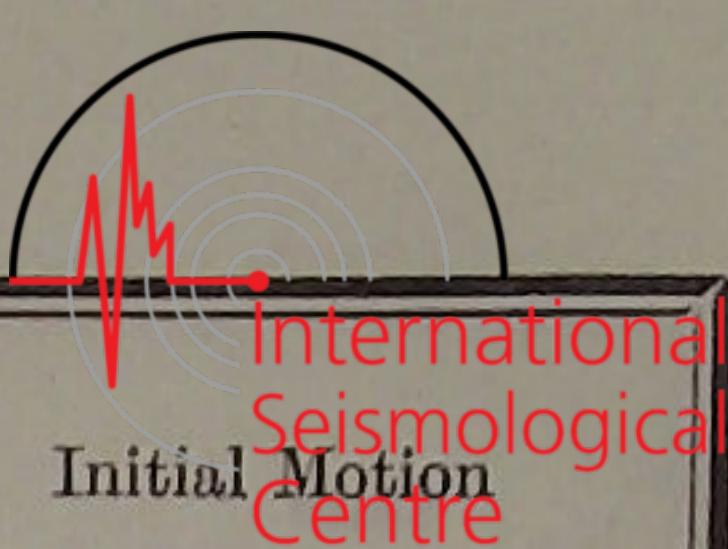
No.	Date 1966	P				S				Maximum Amplitude			Period			P~S	Intensity	Initial Motion				
		E	W	N	S	Z	E	W	N	S	Z	EW	NS	Z	EW	NS	Z	E	N	Z		
1	Jan. 2	h m s	m s	m s	m s	m s	m h	08 11	08 11	08 12	μ	μ	μ	μ	μ	μ	μ	s	—	μ	μ	μ
2	3	10 — —	— —	— —	— —	— —	59 11	— —	e59 14	— —	5	—	4	1	—	—	1	—	—	—	—	—
3	5	14 48 04	e48 07	e47 59	e48 58	e49 01	— —	— —	— —	— —	—	—	10	—	—	—	2	55	—	—	—	—
4	8	e17 01 44	e01 42	01 44	02 19	02 19	02 24	15	20	10	—	4	2	1	—	1	35	—	—	—	—	
5	8	e22 35 44	— —	— —	36 31	36 33	— —	6	8	—	—	2	3	—	—	—	47	—	—	—	—	—
6	9	7 — —	40 12	40 12	— —	40 55	40 58	—	50	20	—	—	2	2	2	—	43	—	—	—	—	—
7	11	e23 08 00	— —	— —	09 14	09 23	— —	20	43	6	—	5	8	2	2	2	74	—	—	—	—	—
8	11	e23 18 06	e18 06	— —	19 17	e19 26	e19 15	146	173	14	—	9	12	2	2	2	70	—	—	—	—	—
9	12	e19 22 48	— —	e22 49	23 27	23 24	e23 27	22	28	16	—	3	3	2	2	2	36	—	—	—	—	—
10	13	19 46 42	e46 47	— —	— —	e51 03	— —	5	—	—	—	2	—	—	—	—	261	—	—	—	—	—
11	13	22 43 14	— —	+	43 51	43 49	+	4	8	+	—	1	1	1	+	—	35	—	—	—	—	—
12	17	5 38 54	— —	38 53	39 13	39 13	39 15	19	20	16	—	0	1	1	1	1	20	—	—	—	—	—
13	17	8 42 30	e42 33	42 34	43 06	43 00	e43 02	33	38	22	—	1	2	1	1	1	30	—	—	—	—	—
14	17	23 37 10	— —	+	37 32	e37 34	+	6	5	+	—	1	1	1	+	—	22	—	—	—	—	—
15	19	18 06 30	— —	06 28	06 58	06 58	06 56	16	13	14	—	1	1	1	1	1	29	—	—	—	—	—
16	20	10 45 33	45 35	45 34	46 12	46 10	e46 19	161	190	66	3	3	3	1	1	37	—	—	—	—	—	—
17	21	e18 45 00	— —	— —	45 47	— —	e45 45	10	—	8	1	—	1	1	1	47	—	—	—	—	—	—
18	21	19 57 18	— —	e57 13	57 54	— —	57 48	21	—	20	1	—	1	—	1	30	—	—	—	—	—	—
19	21	19 59 46	— —	— —	60 24	— —	60 22	11	—	12	1	—	1	—	1	36	—	—	—	—	—	—
20	22	12 15 59	— —	— —	e16 29	— —	—	3	—	—	1	—	—	—	—	30	—	—	—	—	—	—
21	23	20 16 56	e16 57	e16 57	18 00	e17 58	17 54	16	20	10	2	4	2	2	2	58	—	—	—	—	—	—
22	24	8 10 12	— —	e10 17	11 06	e11 11	11 07	17	23	14	2	3	2	2	2	54	—	—	—	—	—	—
23	27	21 00 47	i00 48	i00 46	i01 00	i00 58	i00 59	105	153	80	0	0	1	1	1	12	I	E3	N10	D24	—	—
24	28	13 09 20	— —	— —	09 31	09 31	09 32	10	10	4	1	1	1	1	1	11	—	—	—	—	—	—
25	28	e14 52 39	e52 39	— —	— —	— —	— —	—	25	—	—	19	—	—	—	—	—	—	—	—	—	—
26	29	e21 41 03	— —	— —	41 23	— —	—	4	—	—	1	—	—	—	—	21	—	—	—	—	—	—
27	31	e12 04 44	— —	— —	05 16	e05 14	05 15	7	8	4	1	1	1	1	1	32	—	—	—	—	—	—
28	31	15 — —	— —	— —	— —	56 01	⊕	—	18	12	—	1	1	1	1	—	—	—	—	—	—	—
29	Feb. 1	20 52 06	52 08	+	52 40	52 43	+	5	5	+	2	1	1	+	—	34	—	W2	—	—	—	—
30	3	e 4 08 38	— —	— —	09 01	08 58	— —	5	5	—	2	1	1	—	—	21	—	—	—	—	—	—
31	3	e14 55 49	— —	— —	61 56	e62 02	— —	—	—	—	—	—	—	—	—	368	—	—	—	—	—	—
32	6	0 — —	— —	— —	— —	— —	— —	—	68	—	—	18	—	—	—	—	—	—	—	—	—	—
33	6	e 1 19 37	— —	— —	22 30	— —	— —	—	—	—	—	—	—	—	—	173	—	—	—	—	—	—
34	6	21 04 46	— —	04 45	05 04	05 10	05 02	15	13	16	1	1	1	1	1	18	—	—	—	—	—	—
35	7	e 4 06 26	e06 27	+	07 02	07 06	+	9	13	+	3	3	3	3	+	36	—	—	—	—	—	—
36	7	e13 36 11	e36 21	— —	— —	— —	— —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
37	8	e16 10 05	10 05	— —	10 43	10 46	10 47	11	10	6	2	2	2	1	1	38	—	—	—	—	—	—
38	9	23 45 47	e45 43	45 47	46 52	46 54	— —	7	5	4	2	1	1	1	1	65	—	—	—	—	—	—
39	10	e14 31 17	31 15	— —	32 34	32 36	32 39	18	13	10	4	2	2	1	1	79	—	—	—	—	—	—
40	10	23 25 33	25 33	25 32	28 48	28 47	e28 47	49	55	24	2	6	2	2	2	195	—	—	—	—	—	—
41	16	e12 29 13	e29 16	— —	e37 09	37 08	— —	33	—	—	18	—	—	—	—	475	—	—	—	—	—	—
42	18	e 3																				

EARTHQUAKES, 1966.



No.	Date 1966	P				S				Maximum Amplitude			Period			P~S	Intensity	Initial Motion		
		E	W	N	S	E	W	N	S	Z	EW	NS	Z	EW	NS	Z		E	N	Z
56	Mar. 5	h m s	m s	m s	m s	50 29	50 28	50 29	μ	μ	μ	s	s	s	s	24		μ	μ	μ
57	6	11 12 40	— —	— —	— —	13 02	e13 02	e13 04	4	5	4	1	1	1	1	22				
58	6	11 24 47	24 52	24 44	— —	— —	— —	— —	—	50	—	—	20	—	—					
59	6	16 16 34	16 30	16 28	17 09	17 09	e17 02	10	8	10	1	1	0	0	41					
60	6	18 50 40	— —	50 37	50 51	50 50	50 49	24	15	4	1	1	0	0	12					
61	8	6 33 57	34 01	33 56	37 45	e37 43	e37 44	130	365	—	13	18	—	229		D8				
62	8	14 48 38	48 42	48 34	54 28	e54 26	— —	5	8	—	4	3	—	354						
63	10	e 7 05 00	— —	— —	05 47	e05 48	— —	5	4	—	2	2	—	47						
64	10	13 28 10	e28 10	28 10	29 33	29 32	29 33	35	38	14	4	3	1	82						
65	13	1 36 10	36 11	36 08	40 06	40 00	e40 08	—	—	340	—	—	24	232		D20				
66	14	15 38 45	e38 44	38 44	39 13	39 14	39 14	35	35	36	1	1	1	29						
67	14	e22 01 24	— —	— —	02 22	— —	— —	4	—	—	3	—	—	59						
68	15	2 19 00	— —	e19 06	19 22	19 21	e19 25	17	8	12	2	2	2	21						
69	15	17 02 23	— —	— —	03 00	03 00	e02 57	5	5	4	1	1	1	37						
70	18	1 00 50	e01 36	00 47	e09 12	— —	— —	—	—	—	—	—	—	505						
71	19	17 13 20	— —	e13 20	14 01	14 02	14 00	29	25	22	1	1	1	40						
72	20	11 15 07	e15 18	15 04	16 24	16 24	15 32	35	30	30	2	1	1	80						
73	20	12 20 40	e20 42	20 40	21 06	21 06	21 06	21	15	14	1	1	1	26						
74	22	17 16 14	16 21	e16 16	20 08	e20 14	— —	—	—	—	—	—	—	234						
75	22	17 24 16	24 22	i24 14	28 00	e28 07	e28 05	420	176	50	13	15	12	226		W40		D32		
76	23	9 09 25	e09 23	— —	13 23	13 21	e13 23	60	33	14	5	1	2	238						
77	25	9 02 12	e02 17	— —	03 32	03 33	03 37	22	30	20	2	2	1	80						
78	25	13 02 29	— —	e02 27	02 46	02 48	02 46	23	30	32	2	2	2	18						
79	27	0 23 44	e23 54	e23 41	e27 37	e27 41	— —	5	38	—	13	16	—	236						
80	29	11 21 13	21 13	21 10	23 52	23 51	24 15	115	43	30	2	2	2	221						
81	31	3 46 53	e46 53	46 52	47 19	47 15	e47 15	50	55	40	2	2	2	23		E10				
82	Apr. 1	5 26 28	— —	— —	27 06	e27 07	27 06	10	5	6	2	2	2	38						
83	3	7 43 36	i43 07	43 39	e44 47	43 59	44 02	208	133	114	0	2	2	23	I		D132			
84	3	13 44 18	44 18	44 18	44 50	44 50	44 49	211	173	126	0	2	1	31	I					
85	5	13 59 34	— —	— —	60 29	60 30	60 26	15	13	14	1	1	1	52						
86	5	17 52 13	52 13	e52 13	53 07	53 07	53 12	60	53	16	2	4	2	55						
87	7	e18 46 07	e46 35	— —	— —	— —	— —	—	—	—	—	—	—	—						
88	8	10 50 51	50 51	e50 42	54 10	54 15	e54 16	13	18	6	3	4	2	199						
89	11	1 56 25	— —	— —	e58 37	— —	— —	—	—	—	—	—	—	132						
90	11	e 4 58 29	— —	— —	59 28	59 27	59 27	6	8	4	2	2	2	58						
91	11	e06 07 13	— —	— —	08 04	08 09	e08 04	6	18	6	3	2	2	51						
92	13	13 — —	— —	— —	11 25	11 21	e11 25	7	5	4	1	1	1	—						
93	15	16 49 33	— —	— —	49 55	e49 58	49 54	13	5	6	0	1	1	21						
94	16	3 00 16	— —	e00 16	00 47	00 50	e00 47	28	25	20	0	2	1	32						
95	16	e19 14 31	— —	— —	15 13	15 12	e15 14	61	48	18	2	2	2	41						
96	19	e21 04 40	— —	— —	05 09	e05 04	e05 07	4	5	2	1	1	1	29						
97	20	15 05 23	— —	— —	e06 06	— —	— —	4	—	—	2	—	—	43						
98	20	e23 36 08	— —	— —	36 33	— —	— —	3	—	—	1	—	—	25						
99	21	1 31 08	e30 56	31 04	34 55	e34 55	e34 56	10	8	—	2	5	—	230						
100	22	0 46 27	46 17	46 25	46 57	46 57	46 57	186	190	60	5	7	2	32						
101	22	2 37 53	37 51	e37 51	38 25	38 37	38 25	116	105	30	5	3	2	34						
102	23	9 17 34	17 37	17 36	23 39	23														

EARTHQUAKES, 1966.



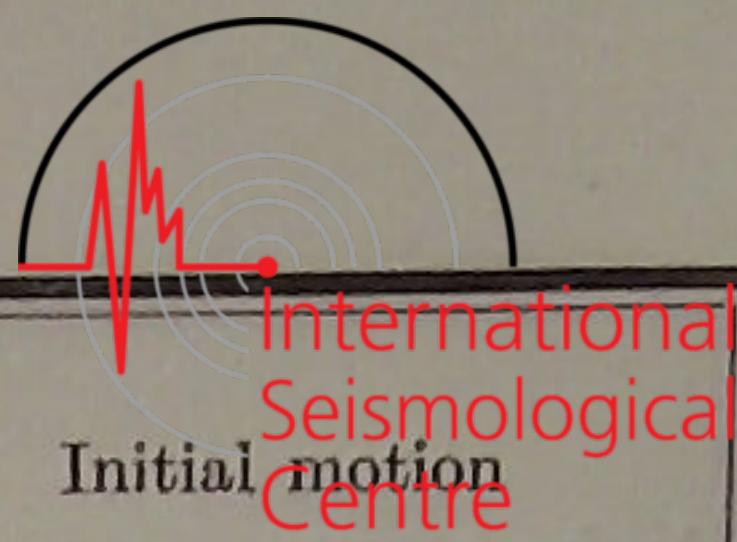
No.	Date 1966	P				S				Maximum Amplitude			Period			P~S	Intensity	Initial Motion		
		E	W	N	S	Z	E	W	N	S	Z	EW	NS	Z	EW	NS	Z	E	N	Z
111	May 9	h m s	m s	m s	m s	m s	e05 01	e05 04	m s	m s	μ	5	5	n'	s	s	s	s	32	
112	9	e 2 04 30	— —	— —	44 37	45 06	e45 07	45 04	24	25	20	2	2	1	2	2	1	27		
113	9	11 58 18	e58 24	58 18	58 42	58 41	58 45	35	33	20	2	2	2	1	1	2	1	23		
114	10	19 09 42	e09 45	e09 40	10 11	10 13	e10 12	30	25	18	2	2	2	1	1	1	1	29		
115	11	e23 21 06	e21 08	+	e23 30	— —	+	—	33	+	—	16	+	144						
116	13	e13 04 01	— —	e03 59	04 27	04 27	04 25	21	13	8	1	1	1	1	1	1	1	26		
117	15	e 2 01 18	e01 17	01 15	02 21	e02 18	e02 16	25	25	12	2	2	2	2	2	2	2	66		
118	15	2 05 24	— —	05 20	06 18	06 18	e06 24	41	40	16	4	2	2	2	2	2	2	58		
119	17	3 21 37	— —	— —	21 56	21 59	e21 59	11	5	10	1	1	1	1	1	1	1	19		
120	17	9 59 58	e59 59	e59 58	60 44	60 42	60 45	70	55	40	2	2	2	2	2	2	2	44		
121	19	e 3 58 50	— —	— —	59 11	59 13	e59 10	8	5	4	1	1	1	1	1	1	1	21		
122	19	16 13 58	— —	— —	— —	— —	— —	—	—	—	—	—	—	—	—	—	—	—		
123	20	9 31 45	— —	e31 47	e32 22	32 25	e32 22	13	13	8	2	2	2	2	2	2	2	40		
124	20	e18 20 16	e20 16	e20 13	e21 14	21 09	20 58	5	5	4	2	2	2	2	2	2	2	53		
125	21	3 08 04	e08 04	— —	— —	— —	— —	—	—	—	—	—	—	—	—	—	—	—		
126	23	1 43 59	— —	e44 00	44 30	e44 32	e44 35	20	8	10	1	1	1	1	1	1	1	31		
127	25	e 8 15 30	— —	e15 34	16 07	16 06	e16 06	5	5	4	1	1	1	1	1	1	1	36		
128	26	e 7 51 14	— —	+	e52 03	— —	+	5	—	+ 1	—	—	—	—	—	—	—	50		
129	26	15 41 50	— —	— —	42 12	42 15	e42 14	9	5	4	1	1	1	1	1	1	1	22		
130	28	14 22 26	e22 27	22 26	23 11	e23 11	e23 13	33	23	20	5	4	2	2	2	2	2	45		
131	June 2	21 08 45	— —	08 45	09 22	09 21	e09 18	6	5	10	2	2	2	1	1	1	1	36		
132	3	23 37 52	e37 53	37 51	38 31	38 30	e38 29	19	18	18	2	2	2	2	2	2	2	38		
133	5	8 50 58	51 00	e50 58	52 55	52 54	52 58	77	55	40	3	2	2	2	2	2	2	116		
134	6	16 55 19	55 19	55 20	e62 43	62 41	62 43	50	—	—	6	—	—	—	—	—	—	442		
135	7	23 05 24	05 22	05 22	e10 16	10 21	10 26	88	800	—	6	26	—	—	—	—	—	299		
136	8	e15 28 04	— —	— —	29 11	— —	— —	5	—	—	1	—	—	—	—	—	—	67		
137	9	5 — —	— —	— —	01 57	— —	— —	3	—	—	2	—	—	—	—	—	—	—		
138	9	10 59 09	e59 14	— —	60 26	60 26	60 31	25	15	24	1	1	1	1	1	1	1	87		
139	9	22 08 12	08 29	i08 30	08 43	08 42	e08 42	153	165	92	0	2	1	1	1	1	1	13	II	
140	10	0 41 10	— —	e41 18	42 23	42 23	42 23	45	43	40	1	1	1	1	1	1	1	73	U28	
141	12	9 — —	e44 22	+	44 58	44 59	+	15	25	12	2	2	2	1	1	1	1	36		
142	13	e11 45 43	— —	— —	45 58	e45 58	— —	4	3	—	2	1	—	—	—	—	—	16		
143	14	3 17 57	17 55	17 56	25 28	25 29	e25 31	15	—	—	4	—	—	—	—	—	—	453		
144	14	6 — —	— —	23 25	— —	23 36	23 36	16	13	10	?	1	1	1	1	1	1	12		
145	15	i 6 05 51	i05 53	i05 51	i07 25	i07 25	i07 25	07 27	31	38	22	1	2	1	1	1	1	94	U8	
146	15	10 09 05	09 05	09 01	e16 32	16 23	— —	395	1680	—	16	31	—	—	—	—	—	442		
147	17	17 49 29	e49 29	49 25	50 11	50 11	e50 11	19	8	10	1	1	2	2	2	2	2	46		
148	19	1 02 42	— —	02 41	03 03	03 02	03 02	40	25	18	1	1	1	1	1	1	1	22		
149	20	13 32 21	e32 21	+	32 43	32 44	+	15	10	14	1	1	1	1	1	1	1	22		
150	21	e22 06 19	— —	e06 16	e07 03	e07 09	e07 04	8	8	6	2	2	2	1	1	1	1	47		
151	22	13 20 51	— —	— —	21 28	21 31	21 30	10	5	10	2	2	2	1	1	1	1	37		
152	23	3 — —	— —	— —	54 21	54 22	e54 22	6	5	6	1	1	1	1	1	1	1	—		
153	23	5 37 05	37 05	37 03	43 28	43 26	e43 34	47	83	20	7	8	2	2	2	2	2	383		
154	23	14 02 57	e02 56	⊕	03 46	03 47	03 47	70	73	100	2	2	1	1	1	1	1	49		
155	23	14 39 48	— —	39 48	40 08	40 09	40 08	23	8	8	1	1	1	1	1	1	1	21		
156	24	6 52 18	52 18	52 18	52 35	52 32														

EARTHQUAKES, 1966.



No.	Date 1966	P				S			Maximum Amplitude			Period			P~S	Intensity	Initial Motion			
		E	W	N	S	Z	E	W	N	S	Z	EW	NS	Z	EW	NS	Z	E	N	Z
166	Jul. 6	h m s	m s	m s	m s	m s	36 27	36 29	— —	μ	μ	μ	s	s	s	s	18	μ	μ	μ
167	6	14 36 10	— —	— —	— —	36 27	36 29	— —	— —	7	8	—	1	3	3	—	56			
168	6	16 10 34	e10 36	— —	— —	e11 30	— —	— —	— —	5	5	—	2	2	2	—	48			
169	6	18 34 55	— —	— —	— —	e35 46	e35 43	— —	— —	6	5	+	3	2	2	+	25			
170	10	15 45 05	— —	— —	+	e45 29	e45 30	— —	— —	5	5	—	1	1	1	—	9			
		e21 12 25	— —	— —	— —	12 37	e12 34	12 34	15	8	6	—	—	—	—					
171	11	e 1 17 19	e17 22	17 20	21 09	21 04	21 07	30	48	—	5	17	—	—	228					
172	13	9 22 08	— —	— —	22 29	22 28	— —	13	5	—	1	1	—	—	19					
173	14	15 19 43	e19 45	e19 46	20 37	e20 35	e20 41	43	53	24	4	3	1	—	54					
174	14	15 43 26	— —	— —	44 21	e44 21	e44 20	5	5	2	2	2	1	—	55					
175	15	11 40 35	— —	— —	40 50	40 53	e40 49	10	3	4	1	1	1	—	15					
176	18	13 39 41	+	39 41	39 54	+	e39 53	103	+	40	0	+	1	—	13					D36
177	19	e10 46 06	46 10	e46 06	50 19	50 11	— —	14	16	8	3	3	2	—	249					
178	20	20 21 54	e21 55	21 55	22 08	22 08	22 07	58	60	58	1	1	1	—	13					
179	23	e20 43 07	— —	— —	43 33	e43 32	— —	4	5	—	2	1	—	—	26					
180	25	12 49 54	— —	+	50 11	— —	+	15	—	+	0	—	+	—	17					
181	26	e21 47 58	— —	— —	48 31	48 32	48 33	11	8	12	2	1	2	—	34					
182	29	9 — —	— —	— —	18 16	— —	— —	2	—	—	0	—	—	—	—					
183	29	16 09 47	— —	— —	10 33	10 33	e10 40	5	5	6	2	1	1	—	46					
184	30	7 08 47	e08 50	e08 47	09 17	09 24	09 21	20	18	14	1	2	2	—	31					
185	Aug. 2	5 +	34 23	e34 23	+	e35 52	35 55	+	20	22	+	2	2	1	93					
186	2	6 +	e13 04	13 00	+	e21 16	— —	+	100	—	+	14	—	—	496					
187	3	3 — —	e49 36	49 33	— —	e50 20	50 19	—	30	24	—	3	2	—	46					
188	3	e19 19 31	— —	— —	19 56	e20 00	e19 55	7	5	4	1	1	1	—	25					
189	5	13 27 24	— —	27 24	28 23	28 22	28 25	21	15	40	2	1	2	—	58					
190	7	4 35 51	— —	— —	37 03	e37 01	e36 59	6	5	4	3	1	1	—	72					
191	7	5 — —	— —	— —	23 07	— —	— —	4	—	—	1	—	—	—	—					
192	7	11 — —	20 02	19 58	— —	e25 40	— —	—	25	—	—	18	—	—	342					
193	8	5 19 37	19 38	19 36	i20 17	20 15	20 19	39	25	30	1	2	1	—	41					
194	8	9 +	38 21	38 21	+	39 03	39 07	+	20	12	+	3	1	—	46					
195	10	20 02 49	— —	— —	03 08	03 07	03 07	17	5	6	1	2	1	—	18					
196	13	4 23 54	23 55	23 54	25 01	25 00	25 00	21	18	10	1	1	1	—	66					
197	17	8 04 51	e04 55	e04 52	e05 31	05 32	05 28	39	25	22	2	2	1	—	41					
198	18	23 +	41 57	41 48	+	45 42	45 42	+	—	8	+ —	—	2	—	225					
199	19	e21 33 44	e33 44	— —	e38 39	— —	— —	25	88	—	14	29	—	—	295					
200	19	21 47 09	47 05	+	48 03	48 07	+	471	258	120	2	2	1	—	71	E10	N25			
201	20	18 33 31	33 31	33 31	34 18	34 17	34 18	288	200	238	1	2	2	—	46					D28
202	20	19 27 08	— —	— —	27 26	27 26	27 26	12	5	4	1	2	1	—	18					
203	20	19 51 26	e51 28	— —	52 26	52 27	52 24	12	15	4	5	2	2	—	60					
204	21	e10 37 03	— —	e37 13	37 45	— —	e37 38	6	—	4	2	—	2	—	38					
205	21	e14 07 15	— —	e07 20	e12 18	— —	e12 21	5	—	6	3	—	4	—	303					
206	22	23 23 56	e23 55	e23 55	+	26 07	e26 07	+	10	—	+	1	—	—	131					
207	26	13 28 23	— —	+	29 41	— —	+	7	—	+	3	—	+	—	78					
208	27	i21 59 12	59 12	i59 12	59 21	59 22	59 22	225	93	100	0	1	1	—	10	I	E12	D28		
209	28	13 10 29	+	e10 26	11 14	+	11 22	45	+ 10	2	+ 2	—	2	—	45					
210	28	e14 07 17	— —	— —	07 42	e07 41	e07 40	5	5	4	2	1	1	—	25					
211	29	0 37 18	e37 22	e37 20	37 56	38 03	e38 00	26	30	10	5	3								

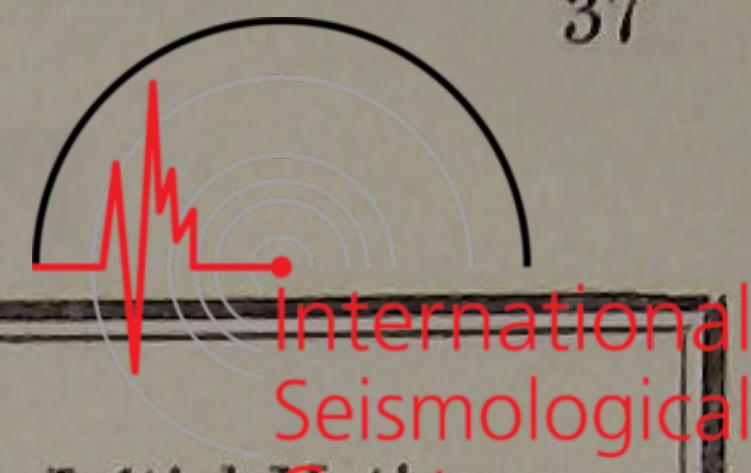
EARTHQUAKES, 1966.



No.	Date 1966	P				S			Maximum Amplitude			Period			P~S	Intensity	Initial motion			
		E	W	N	S	Z	E	W	N	S	Z	EW	NS	Z	EW	NS	Z	E	N	Z
221	Sept. 11	h m s	m s	m s	m s	— —	53 00	53 00	53 01	μ	μ	μ	s	s	s	s	26	μ	μ	μ
222	13	15 52 34	e52 33	e56 36	56 32	— —	56 49	56 50	56 49	30	13	16	0	1	1	1	17			
223	14	e 6 27 39	— —	— —	— —	28 33	28 35	e28 32	8	13	4	3	3	3	1	54				
224	14	10 15 25	e15 26	e15 23	e15 10	e16 12	16 11	14	18	8	2	2	2	2	2	46				
225	15	23 35 46	— —	35 43	36 01	36 00	36 01	27	18	16	1	1	1	1	1	14				
226	16	2 15 55	e15 57	15 55	20 11	e20 11	— —	10	—	—	2	—	—	—	16		I			
227	18	9 35 58	e35 55	36 00	36 19	36 19	36 20	54	55	46	2	1	1	1	21					
228	18	e14 23 27	— —	e23 32	24 03	e24 02	24 04	20	20	14	2	2	1	1	36					
229	22	13 16 22	— —	— —	16 52	16 55	e16 50	20	13	10	3	2	1	1	30					
230	23	10 32 10	— —	+	33 06	33 11	+	10	15	+	3	15	+	57						
231	25	15 11 04	11 04	11 02	11 25	11 26	11 29	86	55	42	0	2	1	23						
232	26	8 49 58	50 08	— —	50 43	50 45	50 44	23	18	16	2	2	2	45						
233	28	23 07 27	e07 32	e07 27	13 07	e13 12	— —	15	53	—	17	17	—	331						
234	29	18 26 16	26 18	26 15	26 36	26 37	26 30	35	23	24	1	2	1	21						
235	Oct. 1	13 59 47	59 43	59 40	e60 01	60 06	60 04	25	20	20	0	2	1	24						
236	2	e20 21 26	e21 28	e21 30	21 54	21 53	e21 56	23	20	14	0	2	1	27						
237	3	23 17 06	— —	— —	17 38	e17 42	e17 37	3	5	2	1	2	1	32						
238	8	1 05 47	e05 46	05 45	14 25	14 24	e14 26	25	—	—	4	—	—	520						
239	8	21 03 04	e03 08	e03 05	04 05	04 08	e04 07	18	23	10	2	2	2	62						
240	12	9 — —	— —	— —	23 37	23 36	— —	7	18	—	8	4	—	—						
241	13	e 6 02 44	— —	— —	03 19	e03 21	e03 19	9	8	4	1	2	1	35						
242	16	3 00 55	00 55	00 55	01 32	01 32	01 32	33	23	24	1	2	1	38						
243	16	8 37 57	37 57	37 56	38 09	38 09	38 08	25	5	6	0	1	1	12						
244	16	18 — —	e15 48	15 47	— —	17 28	17 28	—	25	16	—	2	1	100						
245	18	7 01 44	e01 50	e01 28	— —	e09 35	— —	67	303	—	20	25	—	471						
246	19	13 49 04	49 09	49 05	49 23	49 22	49 23	35	28	40	0	1	1	19						
247	19	e17 23 53	e23 56	e23 54	— —	— —	— —	5	58	—	17	31	—	—						
248	23	e 2 31 23	— —	+	32 06	e32 04	+	7	5	+	3	2	+	43						
249	23	5 43 45	— —	+	44 11	e44 15	+	7	3	+	2	2	2	26						
250	26	3 05 11	05 12	05 10	05 56	05 58	e05 55	45	30	20	4	3	2	46						
251	26	10 20 00	20 01	20 01	20 16	20 18	20 18	23	8	16	0	1	1	16						
252	26	14 23 51	e23 55	e23 53	24 21	e24 30	24 24	30	25	20	2	1	1	30						
253	26	22 — —	— —	— —	56 07	— —	— —	8	—	—	1	—	—	—						
254	27	e23 25 15	25 13	25 10	28 05	28 07	28 07	72	40	22	7	4	1	175						
255	28	8 47 39	e47 40	47 34	48 04	48 07	48 04	48	30	26	2	1	1	26						
256	28	22 21 26	— —	e21 26	22 02	22 03	e22 01	26	4	5	2	2	1	36						
257	29	23 +	33 36	33 35	34 10	34 15	34 12	50	35	32	2	2	2	35						
258	31	4 05 15	— —	— —	05 57	e06 01	06 02	15	13	6	2	1	2	42						
259	31	4 57 59	— —	— —	58 10	— —	58 13	10	—	4	0	—	1	11						
260	Nov. 1	11 23 22	e23 26	23 23	23 42	23 41	23 43	41	28	14	3	2	2	19						
261	1	16 02 06	02 06	02 07	02 56	02 56	02 56	82	55	42	3	2	2	50						
262	2	18 14 36	— —	— —	14 56	14 55	14 56	10	5	4	1	1	1	20						
263	3	2 — —	— —	— —	28 03	e28 05	e28 05	10	5	4	1	1	1	—						
264	4	12 01 34	— —	— —	02 01	— —	e02 01	6	—	2	1	—	1	27						
265	8	e22 16 22	— —	— —	e17 23	— —	— —	4	—	—	2	—	—	61						
266	12	i21 50 37	50 39	i50 38	51 15	51 15	51 23	273	225	178	2	3	2	38		W11				
267	12	22 56 58	— —	— —	5															

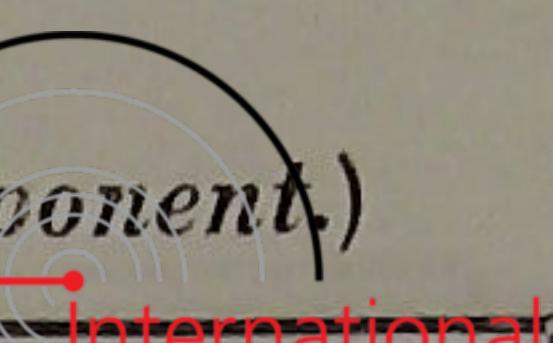
SEISMOLOGICAL OBSERVATIONS AT MIZUSAWA.
EARTHQUAKES, 1966.

37



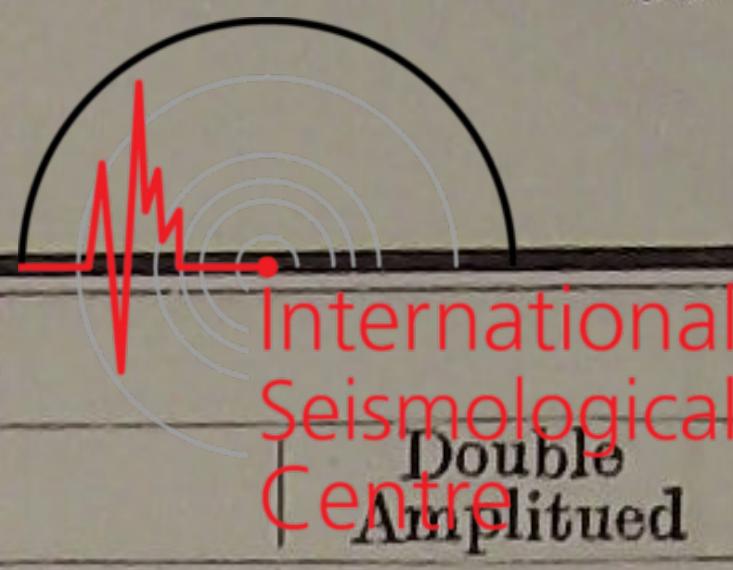
No.	Date 1966	P				S				Maximum Amplitude			Period			P-S	Intensity	Initial Motion		
		E	W	N	S	Z	E	W	N	S	Z	EW	NS	Z	EW	NS	Z	E	N	Z
276	Nov. 21	h m s	m s	m s	m s	— —	29 42	29 42	29 41	μ	μ	μ	s 0	s 1	s 1	s 22		μ	μ	μ
277	21	2 36 18	— —	— —	36 37	e36 37	— —	— —	— —	5	3	—	1	1	—	19				
278	22	15 32 11	32 12	32 09	33 57	33 56	33 54	129	65	80	2	2	1	105						
279	26	14 26 23	— —	e26 23	27 01	e27 07	e27 00	16	18	6	3	2	1	38						
280	30	2 17 34	e17 29	17 28	18 08	18 09	18 09	15	5	10	2	1	1	41						
281	30	12 — —	— —	— —	37 16	37 15	e37 19	12	3	4	1	1	1	—						
282	Dec. 1	14 — —	— —	— —	06 45	— —	06 42	6	—	8	1	—	2	—						
283	2	e 0 21 39	— —	— —	21 57	e21 55	21 57	10	4	6	1	1	1	19						
284	2	3 57 11	57 11	i57 09	57 45	57 44	57 42	206	125	160	4	2	2	33	I					
285	4	7 06 17	e06 16	06 16	06 32	06 31	06 31	85	48	30	0	1	1	15	I					
286	6	19 45 59	— —	e45 57	46 23	46 23	46 22	30	25	20	1	1	1	23						
287	7	23 15 17	15 17	15 17	15 27	15 27	e15 27	28	13	22	1	1	1	10						
288	8	2 20 01	e20 06	e20 00	21 39	21 39	e21 40	20	25	14	2	2	2	98						
289	8	i23 06 10	06 09	i06 10	06 21	06 19	06 21	55	30	52	1	1	2	11						
290	12	e 4 48 47	e48 48	e48 46	49 36	49 37	49 35	29	13	22	1	1	1	49	E6	D12				
291	14	20 05 17	e05 26	05 18	05 54	05 57	05 51	36	28	20	2	3	2	34						
292	15	e 6 15 58	e16 11	15 56	22 21	22 19	— —	23	25	—	5	27	—	384						
293	15	e23 46 15	— —	— —	46 36	46 33	— —	6	3	—	1	1	—	18						
294	16	e22 08 19	— —	— —	08 44	08 42	08 45	8	5	8	1	2	1	23						
295	18	3 46 20	e46 22	46 20	46 40	e46 41	46 43	24	5	4	1	1	1	20						
296	21	18 02 16	02 15	02 14	10 37	e10 38	— —	—	—	—	—	—	—	503						
297	22	e17 21 33	— —	— —	21 53	e21 53	21 52	6	3	4	1	1	1	19						
298	23	2 — —	— —	— —	29 23	— —	— —	3	—	—	1	—	—	—						
299	24	0 58 49	58 48	58 47	65 17	65 32	e65 32	24	118	—	4	26	—	404						
300	27	6 08 43	08 44	08 43	09 05	09 06	e09 06	19	13	22	2	1	1	22						
301	27	10 22 51	22 52	22 50	23 28	23 25	23 26	280	275	140	2	2	1	36	I					
302	28	17 38 02	38 02	37 58	e52 03	e50 20	— —	59	173	—	21	23	—	743						
303	29	e17 26 10	— —	— —	26 31	— —	e26 32	6	—	6	2	—	1	20						
304	30	e 6 56 00	— —	— —	56 13	— —	— —	3	—	—	1	—	—	13						

PULSATORY OSCILLATIONS, 1966. (EW Component.)



No.	Beginning			Ending			Maximum				Double Amplitude μ	
	Date			Date			Date		Date			
	Month	Day	Hour	Month	Day	Hour	Day	Hour	Day	Hour		
1	Jan.	4	9	Feb.	10	9	4	20	6	6	50	
2		10	20		13	12	11	7	12	4	20	
3		13	23		16	22	14	2	14	18	20	
4		16	22		19	4	17	14	18	4	20	
5		19	4		24	22	19	20	20	15	13	
6		24	22		28	23	25	21	26	22	8	
7		29	9		30	22	29	16	30	9	15	
8		31	9		8	4	3	21	5	21	20	
9		Feb.	8		10	13	9	9	9	20	10	
10		10	13		12	22	10	23	12	0	20	
11	Mar.	12	22	Mar.	14	18	31	8	14	9	10	
12		16	2		16	23	16	8	16	21	10	
13		17	6		19	18	18	18	19	9	10	
14		21	7		24	16	22	17	23	23	23	
15		26	2		1	20	27	23	28	22	18	
16		2	2		4	20	2	21	3	23	8	
17		5	2		7	4	5	7	6	9	26	
18		7	9		9	10	7	22	8	9	7	
19		10	9		12	6	11	0	11	15	8	
20		13	23		14	21	14	4	14	21	10	
21	Apr.	16	2	Apr.	17	1	16	4	17	0	50	
22		17	9		18	14	17	17	17	22	17	
23		19	7		22	2	19	12	20	9	25	
24		22	2		27	6	23	6	24	1	11	
25		28	20		31	13	29	6	30	20	71	
26		1	9		3	6	1	21	2	22	11	
27		3	6		5	21	3	7	4	12	16	
28		7	4		9	10	7	21	8	8	16	
29		9	10		10	22	9	21	10	9	10	
30		12	12		13	12	12	17	12	23	5	
31	May	13	16	May	14	12	13	21	14	3	5	
32		15	20		19	9	16	8	17	11	20	
33		22	10		28	19	22	20	23	9	7	
34		3	1		5	12	3	6	4	12	18	
35		8	5		9	20	8	9	9	6	19	
36		10	9		13	6	10	22	11	9	10	
37		15	6		17	4	15	18	16	21	7	
38		22	0		27	17	23	5	26	15	12	
39		30	9		1	9	30	18	31	12	5	
40		June	2		3	14	2	10	3	2	8	
41	July	4	20	July	7	22	5	9	6	10	7	
42		9	20		13	9	10	2	11	23	26	
43		17	5		19	10	17	18	18	10	6	
44		20	9		22	2	20	17	21	14	10	
45		25	9		28	10	27	9	28	2	5	
46		28	10		1	20	28	20	30	14	70	
47		2	9		5	15	2	14	3	14	30	
48		8	7		11	7	8	14	9	23	26	
49		12	9		14	4	12	20	13	9	5	
50		29	9		1	12	31	10	1	2	11	
51	Aug.	4	6	Aug.	5	22	4	9	4	18	4	
51		6	9		11	23	7	9	9	18	10	
53		11	23		14	9	12	9	12	20	5	
54		14	17		15	22	14	17	15	1	9	
55		16	7		18	22	16	9	16	22	7	
56		18	22		21	22	19	9	20	17	7	
57		21	22		24	2	22	9	23	18	7	
58		24	2		26	22	24	11	25	12	10	
59		Sept.	1	Sept.	3	17	1	20	2	23	12	
60		8	9		12	6	9	20	11	15	12	
61	Oct.	12	6		14	3	12	9	13	14	8	
62		14	9		17	6	14	18	15	9	9	
63		18	2		21	18	18	9	20	20	18	
64		21	19		23	21	22	18	23	9	10	
65		23	21		30	14	24	21	27	9	56	
66		2	5	Oct.	7	9	2	20	3	16	10	
67		7	23		9	21	8	6	8	15	3	
68		12	4		23	14	13	6	14	22	24	
69		24	9		26	6	24	22	25	9	7	
70		26	6	Nov.	3	4	28	9	31	2	20	

EARTHQUAKES, 1966.



No.	Beginning			Ending			Maximum				μ	
	Date			Date			Date					
	Month	Day	Hour	Month	Day	Hour	Day	Hour	—	Day	Hour	
71	Nov.	3	4	Nov.	6	16	4	6		4	14	5
72		7	5		8	22	7	22		8	15	5
73		10	10		12	17	11	0		11	19	5
74		13	11		16	10	13	23		16	0	25
75		16	10		19	13	18	7		18	14	7
79		19	14		24	23	21	9		22	16	20
77		25	8		27	14	25	19		26	17	50
78		28	6		28	17	28	8		28	11	7
79		29	2		29	19	29	9		29	17	6
80		29	19	Dec.	2	4	1	0		1	16	22
81	Dec.	2	4		2	23	2	8		2	15	8
82		2	23		4	9	3	6		3	14	6
83		4	9		8	13	6	2		6	9	14
84		9	2		10	13	9	8		10	3	7
85		10	16		11	23	11	11		11	21	9
86		12	6		17	1	13	23		15	10	15
87		17	1		19	17	17	6		17	17	10
88		20	1		22	14	20	11		20	21	10
89		22	14		23	17	23	8		23	14	5
90		23	17		27	5	25	10		25	22	8
91		27	5		28	10	27	16		28	10	9
92		28	10	Jan.	1	9	29	14		30	9	10



Published by
THE INTERNATIONAL LATITUDE OBSERVATORY
OF MIZUSAWA, JAPAN

昭和42年11月15日印刷
昭和42年11月20日発行

非売品

発行者 緯度観測所
岩手県水沢市

発行所 緯度観測所
岩手県水沢市

印刷者 笹氣出版印刷株式会社
皆川忠次郎
仙台市堤通27

Printed by
Sasaki Printing and Publishing Co., Ltd.
27 Tsutsumi-dori, Sendai