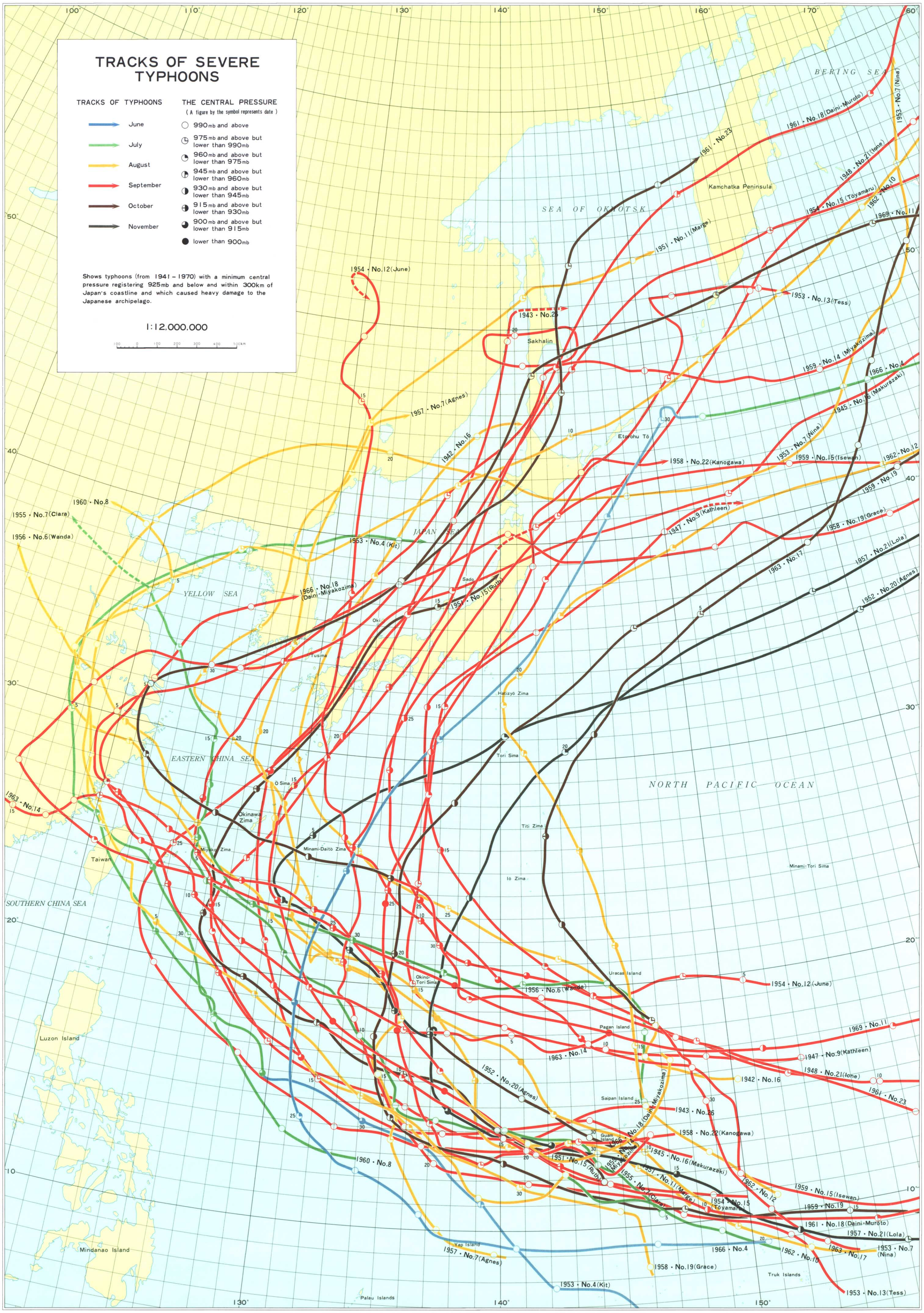
18.1


TRACKS OF SEVERE TYPHOONS
TRACKS OF TYPHOONS
June
July
August
September
October
November
THE CENTRAL PRESSURE
(A figure by the symbol represents date)
990mb and above
975mb and above but lower than 990mb
960mb and above but lower than 975mb
945mb and above but lower than 960mb
930mb and above but lower than 945mb
915mb and above but lower than 930mb
900mb and above but lower than 915mb
lower than 900mb
Shows typhoons (from 1941 – 1970) with a minimum central pressure registering 925mb and below and within 300km of Japan's coastline and which caused heavy damage to the Japanese archipelago.
1:12,000,000
BERING SEA
SEA OF OKHOTSK
JAPAN SEA
YELLOW SEA
EASTERN CHINA SEA
SOUTHERN CHINA SEA
NORTH PACIFIC OCEAN
Kamchatka Peninsula
Sakhalin
Etorohu Tō
Sado
Oki
Tusima
Hatizyō Zima
Tori Sima
Ō Sima
Okinawa Zima
Miyako Zima
Minami-Daitō Zima
Titi Zima
Iō Zima
Minami-Tori Sima
Okino-Tori Sima
Uracas Island
Pagan Island
Saipan Island
Guam Island
Yap Island
Palau Islands
Truk Islands
Taiwan
Luzon Island
Mindanao Island
1954 · No.12 (June)
1943 · No.25
1953 · No.13 (Tess)
1961 · No.23
1961 · No.18 (Daini-Muroto)
1953 · No.7 (Nina)
1948 · No.21 (Ione)
1954 · No.15 (Toyamaru)
1962 · No.10
1969 · No.11
1951 · No.11 (Marge)
1959 · No.14 (Miyakozima)
1966 · No.4
1945 · No.16 (Makurazaki)
1957 · No.7 (Agnes)
1942 · No.16
1958 · No.22 (Kanogawa)
1959 · No.15 (Isewan)
1962 · No.12
1959 · No.19
1947 · No.9 (Kathleen)
1958 · No.19 (Grace)
1957 · No.21 (Lola)
1963 · No.17
1952 · No.20 (Agnes)
1960 · No.8
1955 · No.7 (Clara)
1956 · No.6 (Wanda)
1953 · No.4 (Kit)
1966 · No.18 (Daini-Miyakozima)
1951 · No.15 (Ruth)
1963 · No.14
1955 · No.7 (Clara)
1954 · No.15 (Toyamaru)
1961 · No.18 (Daini-Muroto)
1957 · No.21 (Lola)
1953 · No.7 (Nina)
1963 · No.17
1962 · No.10
1953 · No.13 (Tess)
100°
110°
120°
130°
140°
150°
160°
170°
60°
50°
40°
30°
20°
10°

18.2

MEAN DATE OF FIRST FLOWERING OF JAPANESE CHERRY TREES-SOMEIYOSINO
(Prunus yedoensis Matsum)
III 31 IV 10 IV 20 IV 30 V 10 date
Average for the period 1953 ~ 1970
1:8,000,000
JAPAN SEA
NORTH PACIFIC OCEAN
Etorohu Tō
Kunasiri Tō
Wakkanai
Abasiri
Asahikawa
Kusiro
Sapporo
Hakodate
Aomori
Miyako
Akita
Yamagata
Sendai
Hukusima
Niigata
Sado
Onahama
Nagano
Maebasi
Kanazawa
Kōhu
Tokyō
Tyōsi
Oki
Sakai
Kyōto
Nagoya
Hamamatu
Ōsaka
Okayama
Takamatu
Hirosima
Tusima
Simonoseki
Hukuoka
Ōita
Kumamoto
Nagasaki
Miyazaki
Kagosima
Kōti
Siono-misaki
Hatizyō Zima
Ō Sima
Naze
Okinawa Zima
Naha
Tanega Sima
Yaku Sima
Take Sima
Miyako Zima
Iriomote Zima
Isigaki Zima
Iō Zima
Minami-Daitō Zima
Titi Zima

MEAN DATE OF RED COLORING OF MAPLE LEAVES
(Acer palmatum Thunb)
X 10 X 20 X 31 XI 10 XI 20 date
Average for the period 1953 ~ 1970
1:8,000,000
JAPAN SEA
NORTH PACIFIC OCEAN
Etorohu Tō
Kunasiri Tō
Wakkanai
Abasiri
Asahikawa
Kusiro
Sapporo
Hakodate
Aomori
Miyako
Akita
Yamagata
Sendai
Hukusima
Niigata
Sado
Onahama
Nagano
Maebasi
Kanazawa
Kōhu
Tokyō
Tyōsi
Oki
Sakai
Kyōto
Nagoya
Hamamatu
Ōsaka
Okayama
Takamatu
Hirosima
Tusima
Simonoseki
Hukuoka
Ōita
Kumamoto
Nagasaki
Miyazaki
Kagosima
Kōti
Siono-misaki
Hatizyō Zima
Ō Sima
Naze
Okinawa Zima
Naha
Tanega Sima
Yaku Sima
Take Sima
Miyako Zima
Iriomote Zima
Isigaki Zima
Iō Zima
Minami-Daitō Zima
Titi Zima

MEAN DATE OF FIRST SIGHTING OF THE CABBAGE BUTTERFLY
(Pieris rapae crucivora Boisduval)
II 20 II 28 III 10 III 20 III 31 IV 10 IV 20 IV 30 V 10 date
Average for the period 1953 ~ 1970
1:8,000,000
JAPAN SEA
NORTH PACIFIC OCEAN
Etorohu Tō
Kunasiri Tō
Wakkanai
Abasiri
Asahikawa
Kusiro
Sapporo
Hakodate
Aomori
Miyako
Akita
Yamagata
Sendai
Hukusima
Niigata
Sado
Onahama
Nagano
Maebasi
Kanazawa
Kōhu
Tokyō
Tyōsi
Oki
Sakai
Kyōto
Nagoya
Hamamatu
Ōsaka
Okayama
Takamatu
Hirosima
Tusima
Simonoseki
Hukuoka
Ōita
Kumamoto
Nagasaki
Miyazaki
Kagosima
Kōti
Siono-misaki
Hatizyō Zima
Ō Sima
Naze
Okinawa Zima
Naha
Tanega Sima
Yaku Sima
Take Sima
Miyako Zima
Iriomote Zima
Isigaki Zima
Iō Zima
Minami-Daitō Zima
Titi Zima

MEAN DATE OF FIRST WARBLE OF THE BUSH WARBLER
(Cettia diphone cantans Temminck et Schlegel)
I 20 I 31 II 10 II 20 II 28 III 10 III 20 III 31 IV 10 IV 20 IV 30 date
Average for the period 1953 ~ 1970
1:8,000,000
JAPAN SEA
NORTH PACIFIC OCEAN
Etorohu Tō
Kunasiri Tō
Wakkanai
Abasiri
Asahikawa
Kusiro
Sapporo
Hakodate
Aomori
Miyako
Akita
Yamagata
Sendai
Hukusima
Niigata
Sado
Onahama
Nagano
Maebasi
Kanazawa
Kōhu
Tokyō
Tyōsi
Oki
Sakai
Kyōto
Nagoya
Hamamatu
Ōsaka
Okayama
Takamatu
Hirosima
Tusima
Simonoseki
Hukuoka
Ōita
Kumamoto
Nagasaki
Miyazaki
Kagosima
Kōti
Siono-misaki
Hatizyō Zima
Ō Sima
Naze
Okinawa Zima
Naha
Tanega Sima
Yaku Sima
Take Sima
Miyako Zima
Iriomote Zima
Isigaki Zima
Iō Zima
Minami-Daitō Zima
Titi Zima

CLIMOGRAPH OF TEMPERATURE, PRECIPITATION AND HUMIDITY