

INTRODUCTION

1. This volume is a successive one in the series of the Summary Report of Meteorological Data in Taiwan, published by the Central Weather Bureau. It contains the meteorological data observed at 26 stations from 2001 to 2010.
2. This volume is divided into two parts:
 - (1) Extremes and mean of monthly values of different meteorological elements.
 - (2) Annual monthly mean values and its extremes of different elements of different stations.
3. The time of observation is set with reference to 120°E.
4. The barometric unit is given in hPa. The mean pressure at sea level was derived from station mean pressure, mean temperature and barometer elevation for the station's elevation less than 800 m. (Ref. Central Weather Bureau Meteorological Table, page iii)
5. The temperature is given in Centigrade.
6. The relative humidity is given in percentage and vapor pressure in hPa.
7. The cloudiness is shown in tenths of the sky cover. The clear, scattered, broken and overcast represent the cloudiness less than 1/10, 1.0/10 to 5.9/10, 6.0/10 to 9.0/10, and more than 9/10 respectively.
8. The ratio between sunshine duration and possible sunshine of the day is considered as sunshine rate in percentage. The sunshine duration is given in hours.
9. The evaporation and precipitation are given in millimeter.
10. Days with precipitation of 0.1 millimeter or more are counted as rainy days.
11. The wind velocity is given a mean value in ten minutes by meter per second. Days with maximum wind velocity of ten meters per second or more are considered days with strong wind.
12. The monthly wind frequency distribution for each station is shown in a wind rose. The wind rose is divided into 36 directions and grouped by three-speed levels for each direction, namely: I 0.3-5.4 m/s, II 5.5-13.8 m/s, and III 13.9 m/s and above. The wind velocity below 0.3 m/s is considered calm.
13. Days with visibility less than 1 kilometer in weather observation are considered foggy days.
14. In this report, “—” is used for indicating no precipitation or day counting equal to zero, “T” for indicating precipitation less than 0.05 millimeter, “X” for indicating the sensor breaking down, and “#” for indicating no observation or no sea level pressure reduction.
15. The data in the list of stations was revised in 2010. (Ref. Climatological Data Annual Report 2010, page vii).