

- Temperature extremes, maximum and minimum, in the screen (both maximum and minimum thermometers are then set)
 - Temperature, grass minimum (thermometer is then set)
 - Temperature, earth and/or soil (as may be arranged for individual stations)
 - State of ground (see Chapter 6)
 - Snow depth (see 9.6.)
 - Sunshine duration (see 10.4.)
 - Amount of cloud
 - Amount of precipitation (rain in the measuring glass is then thrown away)
 - Present weather
 - Visibility
 - Wind: direction in tens of degrees from true north, and speed in knots
 - Atmospheric pressure (if a barometer is available)
 - Past weather: a brief account of the weather for the day, midnight to midnight, GMT, should be kept and entered on the monthly return.
- Instructions for completing the monthly return are given in Metform 3100(A) which is supplied, free of charge, to observers voluntarily co-operating with the Meteorological Office.

1.4.2. Stations at health resorts. A number of climatological stations participate in the Meteorological Office Health Resort Scheme and are known as 'health resort stations'. In addition to carrying out the 0900 GMT routine observations listed in 1.4.1., health resort stations send a coded report to the Meteorological Office for issue to the Press each evening (detailed instructions are given in Metform 3100(A) and in Appendix IV). For this purpose the following observations and procedures are required at 6 p.m. clock time:

- Temperature, dry-bulb, in the screen
- Temperature, maximum, in the screen (but maximum thermometer is not set)
- Amount of precipitation. (The two totals reported are for the periods 6 p.m. on the previous day to 0900 GMT, and 0900 GMT to 6 p.m. on the day of measurement. The rain in the measuring glass is poured back into the rain-gauge after the 6 p.m. measurement.)
- Sunshine duration. (The two totals reported are for the periods 6 p.m. to sunset on the previous day, and from sunrise to 6 p.m. on the day of measuring. See Appendix IV.)
- Past weather (given in two groups of Beaufort letters, each not exceeding five in number, describing the weather from 8 a.m. to noon and from noon to 6 p.m., respectively).

A few health resort stations also send a coded report at 9 a.m. to the Meteorological Office for issue to the Press each morning. The observations and procedures required at 9 a.m. are:

- Temperature, dry-bulb, in the screen
- Amount of precipitation. (The total reported is for the period 6 p.m. on the previous day to 9 a.m. on the day of measuring. The rain in the measuring glass is poured back into the rain-gauge for measurement at 0900 GMT.)