

The rain gauge should be installed on the most level ground available so that its horizontal distance from any surrounding object is not less than twice the height of the object above the rain gauge. The lower part of the can must be sunk into the ground so that it is firmly secured with its rim horizontal and as high above the surrounding ground as possible.

Record the amount collected since the last observation. Only empty the rain gauge after the first observation each day.

9. Water Temperature

Where the position is in the vicinity of a lake or a stream take a surface sample of water in the bucket provided, allow the temperature of the bucket to equilibrate to water temperature for one minute, keeping the bucket out of direct radiation, rinse and refill. Hold the thermometer in the bucket for one minute and then read the temperature to the nearest 0.1°C , keeping the thermometer bulb in the water whilst the reading is taken.

10. Atmospheric Pressure and Altitude

The altimeter should be set at sea-level before leaving Bangor. On arrival on station the altitude should be read, and compared with that read from the O.s. 1" map of the area.

Record atmospheric pressure on the hour and on the half hour while on station and calculate the barometric tendency.