



Atmosphere Single-Day Multiform

Use this form to take day-to-day atmospheric data.

www.project-acorn.net/data-entry

Name of School:

Month (mm): Day (dd): Year (yyyy):

Name of Observer:

Local Time: :

Universal Time: :

Cloud Type (check all types observed):

High: Cirrostratus Cirrus Cirrocumulus
Middle: Altostratus Altocumulus
Low: Stratus Stratocumulus Cumulus
Rain / Snow-Producing: Nimbostratus Cumulonimbus

Cloud Cover (Check one- if sky not obscured):

None (0%) Clear (0% - 10%) Isolated (10% - 25%) Scattered (25% - 50%) Broken (50% - 90%) Overcast (90% - 100%) Sky Obscured

Contrail Type (Record the number of each type observed):

Short-lived Persistent Non-Spreading Persistent Spreading

Contrail Cover (Check one- if sky not obscured):

None 0-10% 10-25% 25-50% >50%

Barometric Station Pressure (Optional):

Barometric Pressure (mbar): Sea Level Pressure Station Pressure

Relative Humidity:

Dry bulb temperature* (°C):

Note: Current air temp. and dry bulb temp. should be similar.

Wet bulb temperature* (°C):

* Sling Psychrometer only.

Relative Humidity (%):

Rainfall:

Number of days rain has accumulated:

Enter a numeric value only.

Rainwater in rain gauge (mm):

Enter 0.0 when there has been no rainfall. Enter "M" for "missing" if there was rain and you weren't able to take an accurate reading. Record "T" for "trace" if the amount of rainfall is less than 0.5 mm.

Snowfall:

Daily: Number of days snow has accumulated on the snowboard:

Enter a numeric value only.

Depth of new snow on the snowboard* (mm):

Sample 1: Sample 2: Sample 3:

Average depth of new snow on the snowboard (mm):
$$\frac{(\text{Sample 1} + \text{Sample 2} + \text{Sample 3})}{3}$$

Snow Pack: Total snow accumulation on the ground (mm)*:

Sample 1: Sample 2: Sample 3:

Average depth of new snow on the snowboard (mm):
$$\frac{(\text{Sample 1} + \text{Sample 2} + \text{Sample 3})}{3}$$

Rain equivalent of:

1. New snow on the snow board (mm)*:

2. Total snowpack on the ground (mm)*:

**Enter 0 when there has been no snowfall. Enter "M" for missing if there was snow and you weren't able to take an accurate reading. Enter "T" for trace amount of snowfall (too small to measure).*

Precipitation pH:

Measurement method for pH: paper meter

pH of the rain or melted snow:

Sample 1: Sample 2: Sample 3: Average:

pH of the melted snow pack:

Sample 1: Sample 2: Sample 3: Average:

Maximum, Minimum, and Current Temperatures:

Current air temperature (°C):

Maximum daily air temperature (°C):

Minimum daily air temperature (°C):

Current soil temperature: (°C)*

Maximum daily soil temperature (°C)*

Minimum daily soil temperature (°C)*

*Note: Daily soil temperature measurements for those using a digital max/min thermometer with soil probe.

Comments (Unusual conditions)