

## Surface Temperature Measurements and Cloud Observation Surface Temperature Data Sheet

School Name: \_\_\_\_\_ Study Site: \_\_\_\_\_

Observer Names: \_\_\_\_\_

Date: Year \_\_\_\_\_ Month \_\_\_\_\_ Day \_\_\_\_\_ Universal Time (hour:min): \_\_\_\_\_

**Surface Temperature:**

Site's overall surface condition (Check one):  Wet       Dry       Snow

Sample	Temperature (°C)	Snow Depth (mm)
1		<input type="checkbox"/> Zero Trace <input type="checkbox"/> (<10 mm) <input type="checkbox"/> Measurable <input type="checkbox"/> (>10 mm) _____ mm
2		<input type="checkbox"/> Zero Trace <input type="checkbox"/> (<10 mm) <input type="checkbox"/> Measurable <input type="checkbox"/> (>10 mm) _____ mm
3		<input type="checkbox"/> Zero Trace <input type="checkbox"/> (<10 mm) <input type="checkbox"/> Measurable <input type="checkbox"/> (>10 mm) _____ mm
4		<input type="checkbox"/> Zero Trace <input type="checkbox"/> (<10 mm) <input type="checkbox"/> Measurable <input type="checkbox"/> (>10 mm) _____ mm

**Sky conditions (check one):**

- Clear** (no clouds visible)
- Clouds visible** (1% to 100% covered by clouds or contrails)
- Obscured** (More than 25% of the sky is not visible)

Sketch the sky below:

Comments:

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Study Site: \_\_\_\_\_ Date: \_\_\_\_\_ Time (UT): \_\_\_\_\_

**If clouds are visible select all cloud types seen:**

*High (in the sky):  
(Check all types seen)*



Cirrus



Cirrocumulus



Cirrostratus

*Middle (of the sky):  
(Check all types seen)*



Altostratus

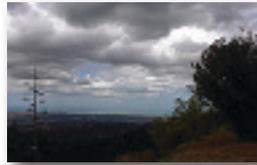


Altocumulus

*Low (in the sky):  
(Check all types seen)*



Stratus



Stratocumulus

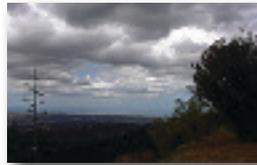


Cumulus

*Rain or snow producing  
clouds:  
(Check all types seen)*



Nimbostratus



Cumulonimbus

# GLOBE Atmosphere Investigations

Study Site: \_\_\_\_\_ Date: \_\_\_\_\_ Time (UT): \_\_\_\_\_

**What percent of the sky is covered by clouds? (Check one):** Three-quarters or More of the Sky is Visible:  
 Cloud Cover (Check one)



No Clouds  
 0%



Clear  
 >0 to 10%



Isolated  
 10 to 25%



Scattered  
 25 to 50%



Broken  
 50 to 90%



Overcast  
 >90%

**Are there contrails in the sky? (Check one):**  No contrails  Contrails are visible

**If contrails are visible, record the number of each type seen:**

Short-lived



Number observed

Persistent non-spreading



Number observed

Persistent spreading



Number observed

**What percent of the sky is covered by contrails? (Check one):**

0 to 10%

10 to 25%

25 to 50%

>50%

**If you selected "obscured" (>25% of the sky is not visible) (check all that apply):**



Blowing snow



Heavy snow



Heavy rain



Fog



Sand



Spray



Volcanic ash



Smoke



Dust



Haze

**Comments:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_