

Atmosphere Investigation

Surface Temperature Data Sheet

* Required Field

School Name: _____ Study Site: _____

Observer names: _____

Date: Year _____ Month _____ Day _____ Universal Time (hour:min): _____

*Surface Temperature

Site's Overall Surface Condition (Select One): Wet Dry Snow

Sample	Temperature Measurement (°C)	Snow Depth (mm) (*if snow selected above)
1		<input type="checkbox"/> zero <input type="checkbox"/> Trace (<10 mm) <input type="checkbox"/> Measureable (>10mm) _____ mm
2		<input type="checkbox"/> zero <input type="checkbox"/> Trace (<10 mm) <input type="checkbox"/> Measureable (>10mm) _____ mm
3		<input type="checkbox"/> zero <input type="checkbox"/> Trace (<10 mm) <input type="checkbox"/> Measureable (>10mm) _____ mm
4		<input type="checkbox"/> zero <input type="checkbox"/> Trace (<10 mm) <input type="checkbox"/> Measureable (>10mm) _____ mm
5		<input type="checkbox"/> zero <input type="checkbox"/> Trace (<10 mm) <input type="checkbox"/> Measureable (>10mm) _____ mm
6		<input type="checkbox"/> zero <input type="checkbox"/> Trace (<10 mm) <input type="checkbox"/> Measureable (>10mm) _____ mm
7		<input type="checkbox"/> zero <input type="checkbox"/> Trace (<10 mm) <input type="checkbox"/> Measureable (>10mm) _____ mm
8		<input type="checkbox"/> zero <input type="checkbox"/> Trace (<10 mm) <input type="checkbox"/> Measureable (>10mm) _____ mm
9		<input type="checkbox"/> zero <input type="checkbox"/> Trace (<10 mm) <input type="checkbox"/> Measureable (>10mm) _____ mm

Comments: _____

*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)

Note: selecting **Obscured** will prevent data entry on clouds and contrails; therefore skip the cloud type and cover and the contrail type and cover sections and proceed to the Obscured sky section. If clouds and contrails are visible in non-obscured areas of the sky, these data can be entered in the Metadata field.

Study Site: _____ Date: _____ Time (UT): _____

If Clouds are Visible select all Cloud Types Seen

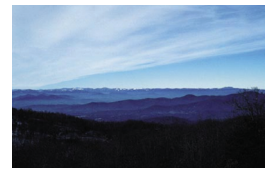
High (in the sky):
(Check all types seen)



Cirrus



Cirrocumulus



Cirrostratus

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



Altostratus



Altostratus

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



Stratus

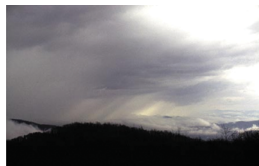


Stratocumulus



Cumulus

Rain or Snow Producing Clouds:
(Check all types seen)



Nimbostratus



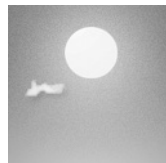
Cumulonimbus

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%



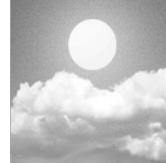
Clear

>0 to 10%



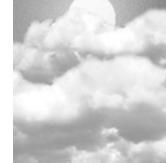
Isolated

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

Study Site: _____ Date: _____ Time (UT): _____

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: _____
