

Atmosphere Investigation

Surface Temperature Data Sheet

Check after
Data Entered
onto Website

School Name _____ Study Site: ATM-_____

Date: _____

Observer names: _____

Surface Temperature Supplemental Site Definition Data*

* To be filled out the first time taking Surface Temperature Measurements at a particular site, or if one of the values below has changed.

Homogenous Site Size (Meters) – Check One

= 90 x 90 = 30 x 30 < 30 X 30, specify size: _____ X _____

(Land Cover Sample Site)

Cover Type – Check One

(If you are at a Land Cover Sample Site then check only the last box)

Short Grass (less than 0.5 m in height) Concrete
 Tall Grass (0.5 m to 2 m in height) Asphalt
 Barren Land Other Describe: _____
 Shrubs This is a Land Cover Sample Site
 Dwarf Shrubs

Manufacturer and model of IRT instrument used at this site: _____

Cloud Type (Check all types seen)

Cirrus	<input type="checkbox"/>
Cirrostratus	<input type="checkbox"/>
Cirrocumulus	<input type="checkbox"/>
Altostratus	<input type="checkbox"/>
Alto cumulus	<input type="checkbox"/>
Stratus	<input type="checkbox"/>
Stratocumulus	<input type="checkbox"/>
Cumulus	<input type="checkbox"/>
Nimbostratus	<input type="checkbox"/>
Cumulonimbus	<input type="checkbox"/>

Contrail Type (Record the number of each type observed)

Short-lived _____
Persistent Non-Spreading _____
Persistent Spreading _____

Cloud Cover (Check one- if sky not obscured)

No clouds (0%)	<input type="checkbox"/>
Clear (0% - 10%)	<input type="checkbox"/>
Isolated (10 - 25%)	<input type="checkbox"/>
Scattered (25% - 50%)	<input type="checkbox"/>
Broken (50% - 90%)	<input type="checkbox"/>
Overcast (90% - 100%)	<input type="checkbox"/>
Sky Obscured	<input type="checkbox"/>

Contrail Cover (Check one- if sky not obscured)

None	<input type="checkbox"/>
0-10%	<input type="checkbox"/>
10-25%	<input type="checkbox"/>
25-50%	<input type="checkbox"/>
>50%	<input type="checkbox"/>

Date: _____ School Name _____ Study Site: ATM- _____

If there is NO snow located on the ground anywhere in your Site, then check one.

Site's Overall Surface Condition: Wet Dry

Check which **Method Used to Prevent IRT from Experiencing Thermal Shock**:

- IRT was wrapped in Thermal Glove, then taken from storage location to study site
- IRT was placed outdoors for at least 30 minutes prior to data collection (No Thermal Glove used)
- IRT was taken directly from storage location to study site (No Thermal Glove used)
- Other method used, please describe: _____

Surface Temperature

Observation Spots	Local Time (hrs:mins)	Universal Time (hrs:mins)	Surface Temperature (example 25.8° C)	Snow Depth (mm)*
1	:	:		
2	:	:		
3	:	:		
4	:	:		
5	:	:		
6	:	:		
7	:	:		
8	:	:		
9	:	:		

*Record Snow Depth according to:

- If there is NO snow at this Observation Spot, then record "0" (zero).
- If there is snow LESS than ten millimeters in depth, then record the letter "T"
- If there is snow GREATER than ten millimeters in depth, then put your ruler or meter stick vertically into the snow at the spot where you just took your surface temperature reading, so that it penetrates all the way to the ground. Read and record the snow depth in millimeters.

Comments:
