

Step 5: Cloud Observation

Clouds Measurement Data Sheet

School Name: _____ Study Site: _____

Observer Names: _____

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

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 section. If clouds and contrails are visible in non-obscured areas of the sky, these data can be entered in the Metadata field.

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

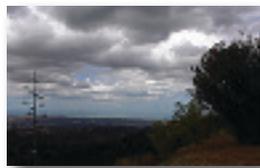


Altocumulus

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:

