

# Atmosphere Investigation

## Ozone Data Sheet

School Name \_\_\_\_\_ Study Site: ATM- \_\_\_\_\_

Day of the week							
Date							
Observer names							

### Ozone Strip Exposed

Local time (hour:min)							
Universal time (hour:min)							
Wind direction (N, NE, E, SE, S, SW, W, NW)							
Use values reported on Atmosphere Data Entry for clouds, contrails, current temperature, and relative humidity (Check the box)							
Current temperature (°C)							
Dry bulb temperature (°C) - Sling Psychrometer							
Wet bulb temperature (°C) - Sling Psychrometer							
Relative humidity (%)							

### Ozone Strip Read

Local time (hour:min)							
Universal time (hour:min)							
Ozone concentration* (parts per billion)							
Wind direction (N, NE, E, SE, S, SW, W, NW)							
Current temperature (°C)							
Dry bulb temperature (°C) - Sling Psychrometer							
Wet bulb temperature (°C) - Sling Psychrometer							
Relative humidity (%)							

*\*Remember: enter M if the chemical strip gets damaged by snow or rain, or the response of the chemical is marbled.*

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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**Ozone Strip Exposed Cloud Data**

Day of the week							
Date							

Take cloud data from          
 Atmosphere Data Work Sheet

**Cloud Type (Check all types seen)**

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

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**If Sky Obscured** (Check all that apply)

Fog	<input type="checkbox"/>						
Smoke	<input type="checkbox"/>						
Haze	<input type="checkbox"/>						
Volcanic ash	<input type="checkbox"/>						
Dust	<input type="checkbox"/>						
Sand	<input type="checkbox"/>						
Spray	<input type="checkbox"/>						
Heavy rain	<input type="checkbox"/>						
Heavy snow	<input type="checkbox"/>						
Blowing snow	<input type="checkbox"/>						

**Ozone Strip Read Cloud Data**

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Date							

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