

Atmosphere Investigation

One - Day Data Sheet

School Name: GME West Study Site: GLOBE LAKE

Observer names: _____

Date: Year 2018 Month 09 Day 26 Universal Time (hour:min): 12:00 pm local

Air Temperature

Current Temperature (°C): 25

Maximum Temperature (°C): _____ (record only when collected at Local Solar Noon)

Minimum Temperature (°C): _____ (record only when collected at Local Solar Noon)

Surface Temperature

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

Sample	Temperature Degrees C	Surface Type (grass, soil, asphalt, concrete, other)
1	<u>28.7</u>	<u>grass</u>
2	<u>29.5</u>	<u>"</u>
3	<u>29.2</u>	<u>"</u>

Barometric Pressure

(Check one): Sea Level Pressure Station Pressure (mb): _____

Relative Humidity

(Select instrument used):

Sling Psychrometer _____	Digital Hygrometer _____
Dry bulb temperature (°C): _____	Ambient air temperature (°C): <u>25</u>
Wet bulb temperature (°C): _____	Relative Humidity (%): <u>38%</u>

Precipitation (record only when collected at Local Solar Noon)

Days of accumulation: _____ N/A

Rainfall select one: Measurable _____ Trace _____ Missing _____
(if measurable is selected, complete the following fields)

Accumulation (mm): _____

Rain pH Measured With (select one): pH Paper _____ pH Meter _____

pH of Rain: _____ (pH measurements only allowed when liquid amount is 3.5 mm or more)

Compete the back portion of this sheet on clouds.

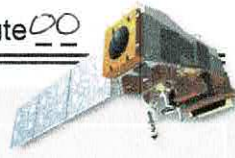
School/Observer Name: GME WEST

Study Site: GLOBE LAYE

Date (ex. 2017 01 13): Year: 2018 Month: 09 Day: 03

Time (ex. 24 Hour Clock: 14 26): Local: Hour Minute

Universal: Hour 19 Minute 00



1. What is in Your Sky?

Total Cloud/Contrail Cover:

- Sky is Obscured
- None (Go to box 2)
- Few (<10%)
- Isolated (10-25%)
- Scattered (25-50%)
- Broken (50-90%)
- Overcast (90-100%)

- Fog
- Heavy Rain
- Heavy Snow
- Blowing Snow
- Sand
- Spray
- Smoke
- Dust
- Haze
- Volcanic Ash

Go to box 6

*If you can observe sky color or visibility, complete box 2

2. Sky Color and Visibility

- Color (Look Up): Cannot Observe Deep Blue Blue Light Blue Pale Blue Milky
- Visibility (Look Across): Cannot Observe Unusually Clear Clear Somewhat Hazy Very Hazy Extremely Hazy

3. High Level Clouds

- No High Level Clouds Observed (Go to box 4)

Cloud Type:

- Contrails (number of):
- Cirrus
- Cirrocumulus
- Cirrostratus

1

2

#

- short-lived
- persistent
- persistent spreading

Cloud Cover:

- Few (<10%)
- Isolated (10%-25%)
- Scattered (25%-50%)
- Broken (50%-90%)
- Overcast (>90%)

Visual Opacity:

- Opaque
- Translucent
- Transparent

4. Mid Level Clouds

- No Mid Level Clouds Observed (Go to box 5)

Cloud Type:

- Altostratus
- Altocumulus

Cloud Cover:

- Few (<10%)
- Isolated (10%-25%)
- Scattered (25%-50%)
- Broken (50%-90%)
- Overcast (>90%)

Visual Opacity:

- Opaque
- Translucent
- Transparent

5. Low Level Clouds

- No Low Level Clouds Observed (Go to box 6)

Cloud Type:

- Fog
- Nimbostratus
- Cumulonimbus
- Stratus
- Cumulus
- Stratocumulus

Cloud Cover:

- Few (<10%)
- Isolated (10%-25%)
- Scattered (25%-50%)
- Broken (50%-90%)
- Overcast (>90%)

Visual Opacity:

- Opaque
- Translucent
- Transparent

6. Surface Conditions

Mandatory:

- | | | | | | |
|----------------|-----------------------|----------------------------------|-----------------|----------------------------------|----------------------------------|
| | Yes | No | | Yes | No |
| Snow/Ice | <input type="radio"/> | <input checked="" type="radio"/> | Dry Ground | <input checked="" type="radio"/> | <input type="radio"/> |
| Standing Water | <input type="radio"/> | <input checked="" type="radio"/> | Leaves on Trees | <input checked="" type="radio"/> | <input type="radio"/> |
| Muddy | <input type="radio"/> | <input checked="" type="radio"/> | Raining/Snowing | <input type="radio"/> | <input checked="" type="radio"/> |

Optional:

You may submit any or all

Temperature: 25 °C
 Barometric Pressure: 260 mb
 Relative Humidity: 38 %



Comments: