



# GLOBE Visualization System "Vis"





## Visualize and Retrieve your Data

- Used for mapping data
- Focus is on one site, or possibly comparing 2-3 sites
- Simple X/Y charts available

#### Demonstration Topics – Visualization – https://vis.globe.gov

- Navigate to the visualization system
- The pieces of the visualization system
  - Layers, Dates, Filters, Legend, Graphs
- How to view data from a specific protocol on the map
- How to graph and retrieve data for a specific protocol



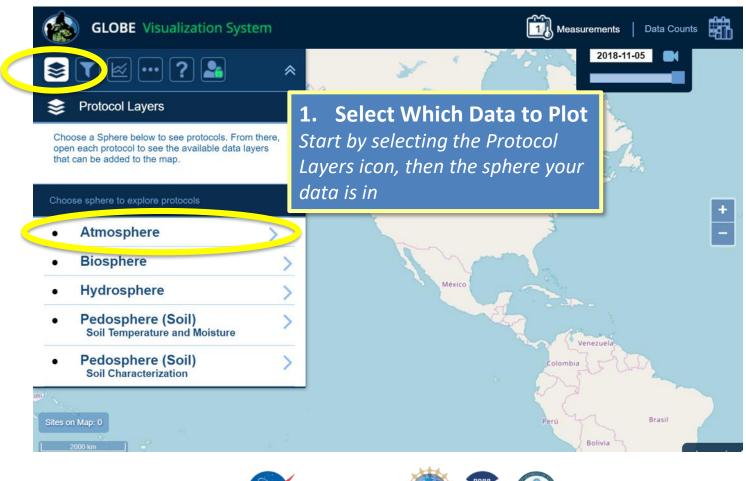
## The Basics of the Visualization System

- Select Goto-> from the top and "Visualize Data"
  - Or Go to the homepage and select "Visualize Data"
  - Or https://vis.globe.gov
- Three Steps to Visualize your Data:
  - 1. Select the protocol data you want to see (Add Layers)
  - 2. Select the Date you want to see the data for
  - 3. Click on a data point on the map to receive table and graph information





### Step 1 – Add Data Layers



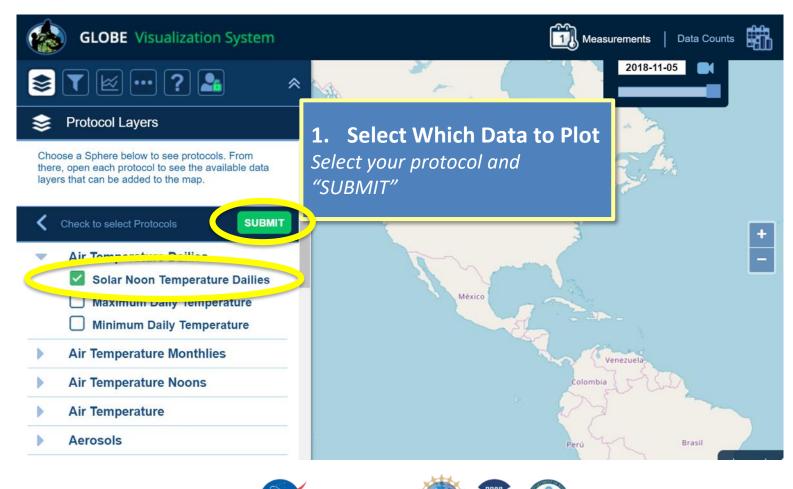
Supported by:

Sponsored by: NAS





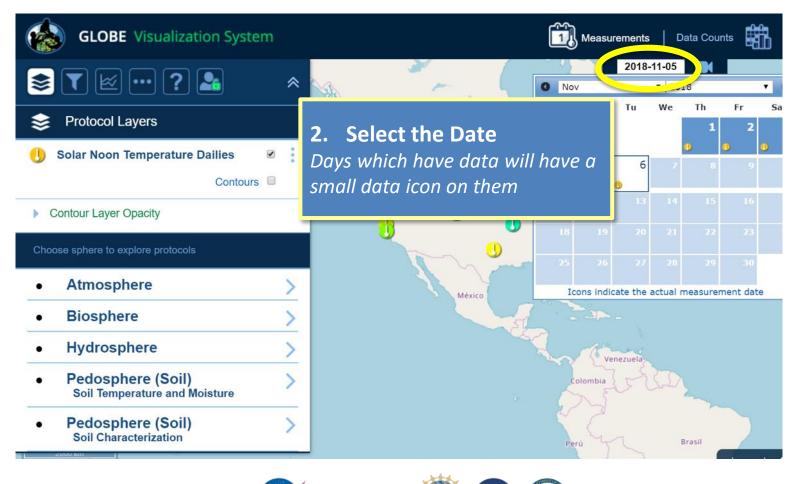
#### Step 1 – Add Data Layers

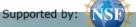






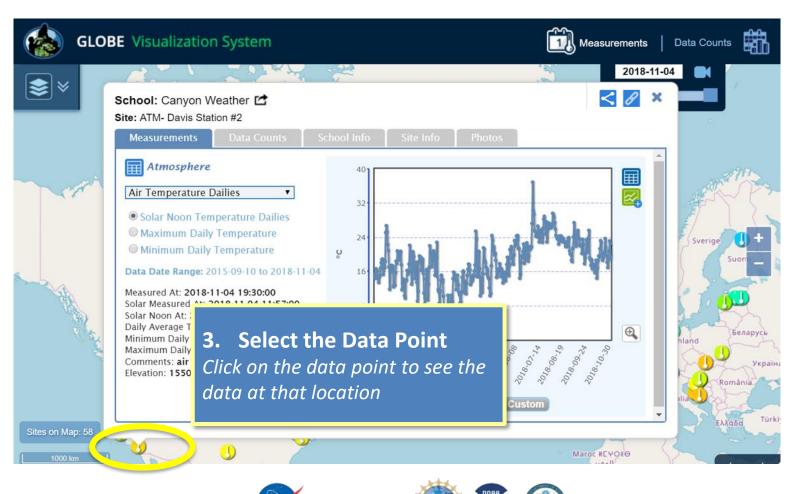
## Step 2 – Select the Date







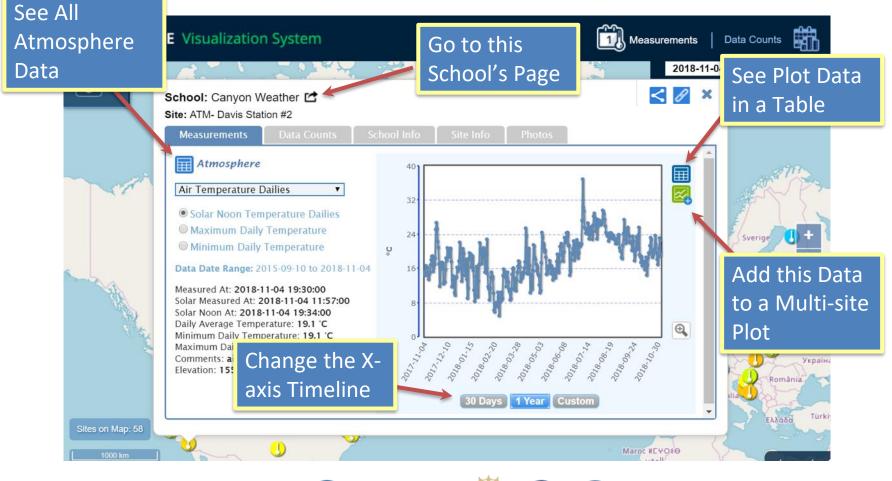
## Step 3 – Select the Data Point



Supported by:



## Vis system popup window



Sponsored by: NAS

Supported by:





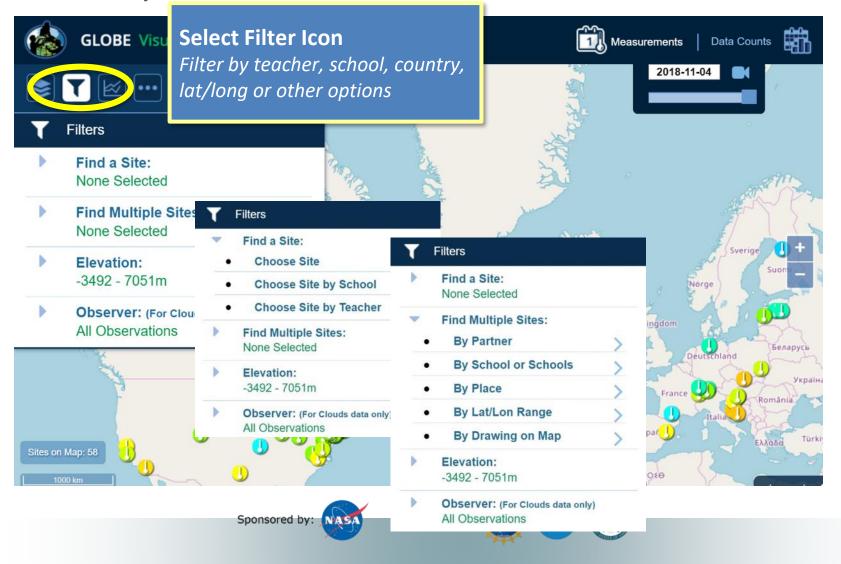
## Advanced Features

- Use Filters Location/Site/Elevation to find specific locations – school, country, city etc.
- Create an animation
- Use the graph with the + icon to select multiple data sets to graph
  - Allows you to overlay data from multiple sites
- Export layers to KMZ format for using with Google Earth and other similar tools



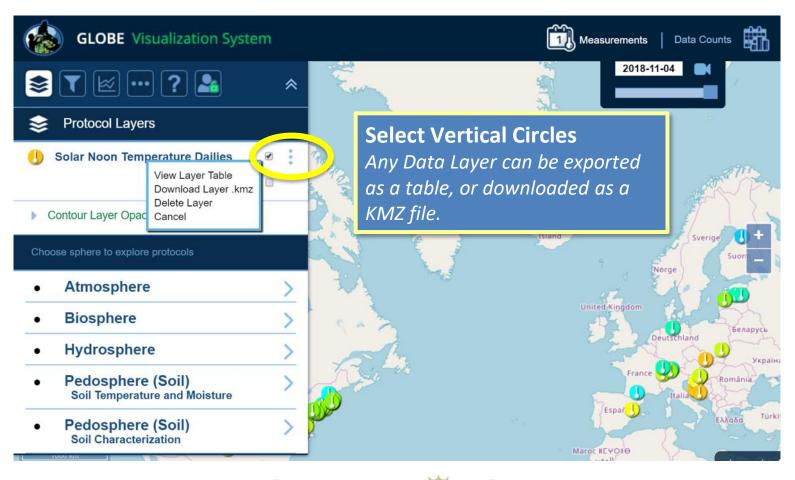


## Filter your results





#### Export Layer







## Setup Multi-Site Plot



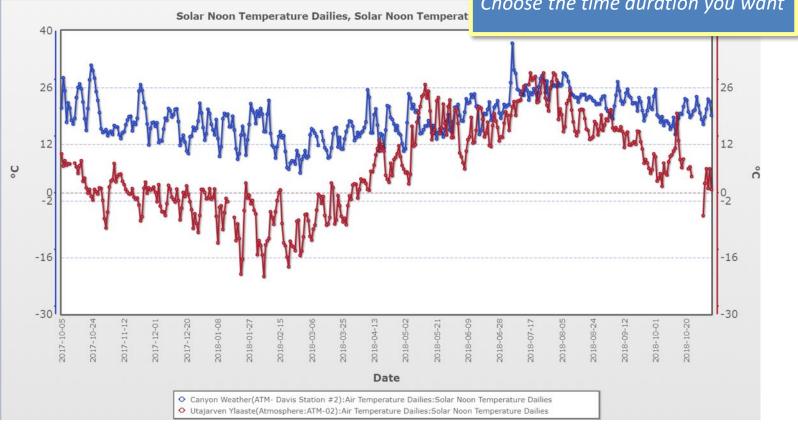




## Setup Multi-Site Plot

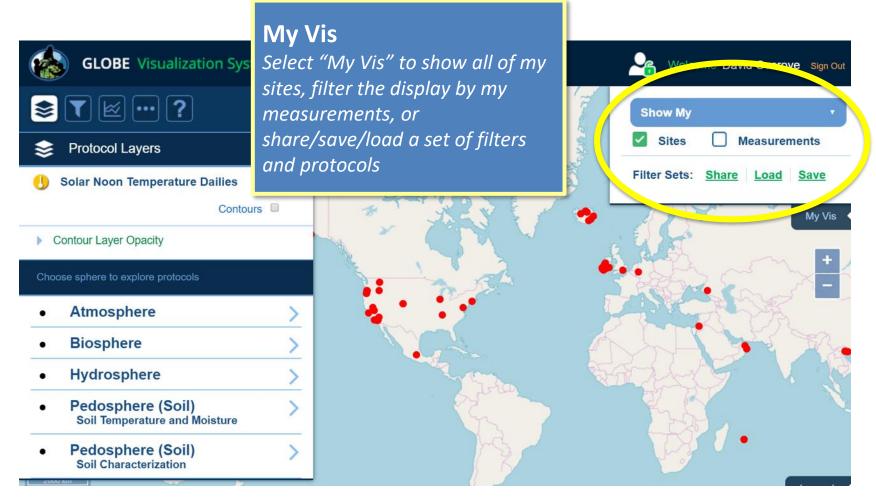
**Time Series Plot** 









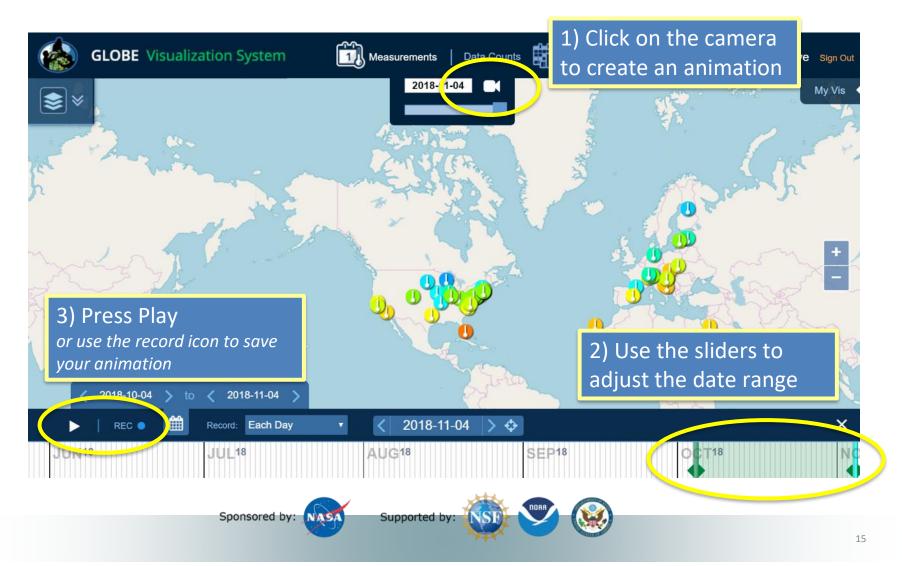








## Animating Vis





#### Why use Data Counts?

- The Data Counts tab tells you how much data a given location has entered in a particular period of time for a given protocol.
- Looking for someone to collaborate with? Looking for the most current data? Use Data Counts.





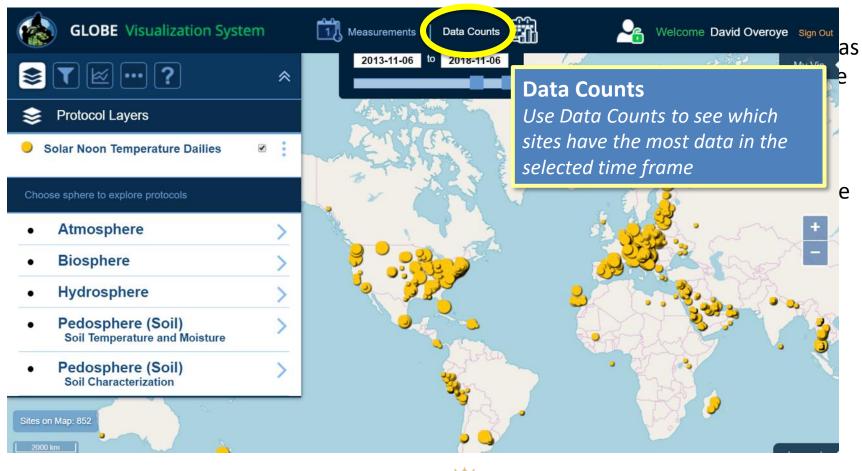
#### How to Use Data Counts

- Select Data Counts on the top menu of the vis system
- Select the protocol(s) you are interested in (ie Solar Noon Temperature Dailies)
- The map will show the total number of measurements which have occurred at any location since the beginning of the GLOBE program.
- Use the Date Range Filter to adjust the date range
- Select a site which has data
  - You can find the school and teacher if you are interested in collaborating.





#### Data Counts







#### Hands on...

# Walkthrough of the GLOBE Visualization System <a href="https://bit.ly/4h51tAQ">https://bit.ly/4h51tAQ</a>

Walkthrough of comparing cloud photos with satellite data <u>https://bit.ly/4dOPXqi</u>





## Reminder – Tutorials are on the website!

 Vis System Tutorials – under Training – Tutorial Center – Data Access, Analysis and Reporting

https://www.globe.gov/get-trained/tutorial-center/dataaccess/-/tutorials/104432049/introduction-to-the-vis-system





• Questions?

