Analyzing GLOBE Data With My NASA Data Literacy Cubes

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Lightning Overview of My NASA Data

my NASA data

- Large compilation of resources dedicated to helping teachers of grades 3-12 teach Earth System phenomena using NASA Earth System data
- Lesson plans, mini-lessons, maps, graphs, interactive models, and tools

https://mynasadata.larc.nasa.gov/

Data Literacy Cubes

Maps

Line Graphs

Data Sets

Several My NASA Data activities feature a Data Literacy cube icon.

These icons indicate the compatibility of My NASA Data content to be used with the *Data Literacy Cubes*.

https://mynasadata.larc.nasa.gov/

Data Literacy Questions

National Aeronautics and Space Administration

Name: Date:

Map Cube Questions

Keywords (add more words):

area biggest value Earth System
least legend most smallest value

1. **Examine**- What do the colors of the map tell you? Look closely at the map.
   a. The color I see the **most** is _____.
   b. The color I see the **least** is _____.
   c. The (day/monthly/year) on the map is _____.
2. **Search and Find**- Where on Earth do you see this map?
   a. What part of the world does the map show? (For example, country, continent, ocean, etc.) _____
   b. Point to a spot on the map and color this circle with a crayon (or pencil) of a matching color to show the color in the spot on the map.
   c. The color in the spot I am pointing to tells me that the **area** on the map is _____.
3. **Analyze**- What do the colors and numbers on the map tell you?
   a. The color on one end of the **legend** is _____. This means _____.
   b. The color on the other end of the **legend** is _____. This means _____.
   c. The number on one end of the **legend** _____. This means _____.
4. **Ask**- What information do you want to know about the map?
   a. I want to know _____.
   b. How _____?
5. **Connect**- How do the data connect to the locations on the map?
   a. The place with the **biggest value** or number is _____.
   b. The place with the **smallest value** or number is _____.
   c. What locations share similar values? Why do you think these are similar?
6. **Assess**- What information can you identify on the map?
   a. The information on the map shows _____.
   b. What part of the **Earth System** is this information related to air, water, land, ice, living things?

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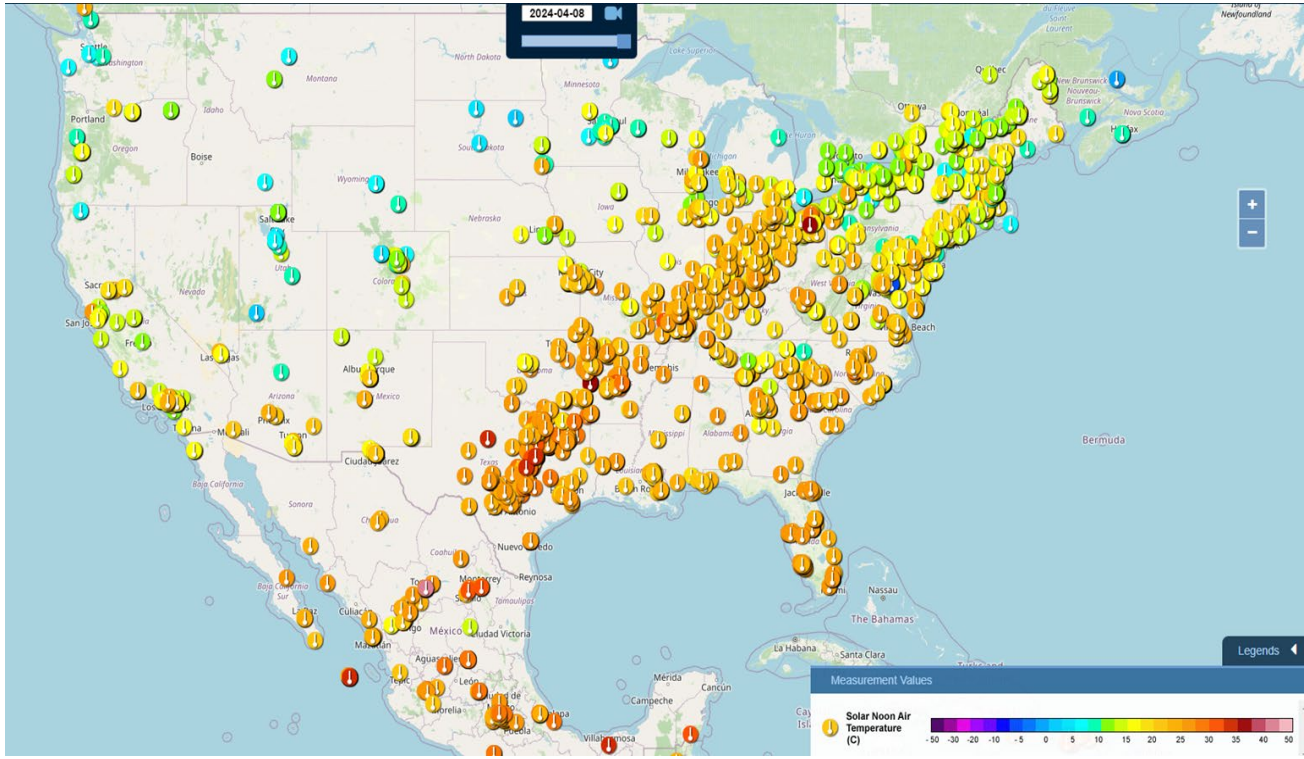
My NASA Data Literacy Cubes to Analyze GLOBE Data

- GLOBE Observer App
- GLOBE Visualization Tool
- Advanced Data Access Tool (ADAT)
- Research Reports/Posters (SRS, IVSS, GME)



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