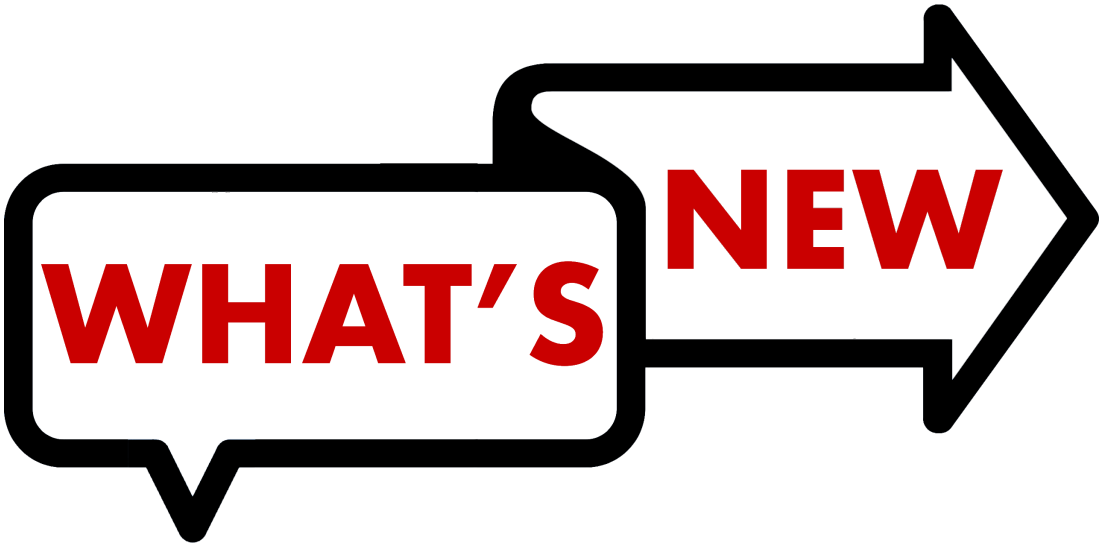
About My NASA Data



NASA offers petabytes of global Earth science data collected from satellites but accessing these data in a traditional (or virtual) science classroom can be tricky. Since 2004, My NASA Data has supported students and teachers of grades 3-12 in analyzing and interpreting NASA mission data. Join My NASA Data as we strive to support your integration of authentic Earth data in your instruction.

Earth System Phenomena-driven approach: Explore MND's resources for learning more about the Earth System from a phenomena-based perspective. MND releases a collection of resources focusing on a new set of Earth System phenomena. These include a phenomenon for the Atmosphere, Biosphere, Cryosphere, Geosphere, and Hydrosphere. Additional resources are available for investigating the "Earth is a system" using crosscutting concepts found in the NGSS.

Data Visualization Tools: MND's data visualization tool, Earth System Data Explorer (formerly known as the "Live Access Server or LAS for short), is continuously updated with new data and is now organized by the spheres in the Earth System, as well as by the featured phenomena that you teach.

Mini Lessons: if you are short on time, grab our pre-generated graphs, mapped visualizations, and data sets to support just-in-time learning. We provide the learner with the opportunity to explore phenomena with NASA data without being encumbered by the Earth System Data Explorer or other visualization interfaces. Included in the "Mini Lessons" section are short mini-lessons for the teacher to engage the learner quickly and in a variety of contexts (bell ringer, exit ticket, etc.). Use them with ***the Data Cubes***!

Lesson plans and Activities: MND's new and revised lessons integrate NASA data in ways that do not require spreadsheets, a one to one student/computer ratio, or rely on computers that may have become outdated or have any compatible software. Our lessons feature maps, graphs, and data that are already embedded within the lesson, so you do not need to access a data visualization tool to pull data for students to analyze.

STEM Career Connections: This section helps the learner explore NASA STEM career jobs and professional profiles of individuals whose work support NASA's mission of better understanding the Earth System. These STEM careers and profiles include a diverse range of professions and individuals such as scientists, technologists, engineers, and mathematicians.

GLOBE Connections: How do we extend the learning beyond our computer screens and into our daily lives outside of our school window? My NASA Data is now integrated with the award-winning international GLOBE : Global Learning and Observations to Benefit the Environment program. MND now features GLOBE protocols, learning activities, and other resources related to the target phenomena featured on MND.