Student Directions

Steps

1. Watch the videos and answer the questions. Check with your instructor on how to submit answers.
2. Watch the NASA’s Earth Minute: All About Aerosols video (above).

   1. Identify different sources of aerosols.
   2. What are the effects of aerosols?
   3. How does NASA study aerosols?

   1. How does volcanic ash demonstrate an interaction between the geosphere and the atmosphere?
   2. Why are volcanic emissions a problem?
   3. What is NASA tracking to try to help predict emissions?
Fire, Ice, and Safer Skies: NASA Satellites Track Volcanic Clouds | Video Length 4:53
| https://www.youtube.com/watch?v=TP4vzFojewU

Sources:


Teachers, these mini lessons/student activities are perfect "warm up" tasks that can be used as a hook, bell ringer, exit slip, etc. They take less than a class period to complete. Learn more on the "My NASA Data What are Mini Lessons?" page.

Teachers who are interested in receiving the answer key, please complete the Teacher Key Request and Verification Form. We verify that requestors are teachers prior to sending access to the answer keys as we've had many students try to pass as teachers to gain access.

Access and Explore Data

- Monthly Air Column Concentration of SO2
- Monthly Aerosol Optical Depth