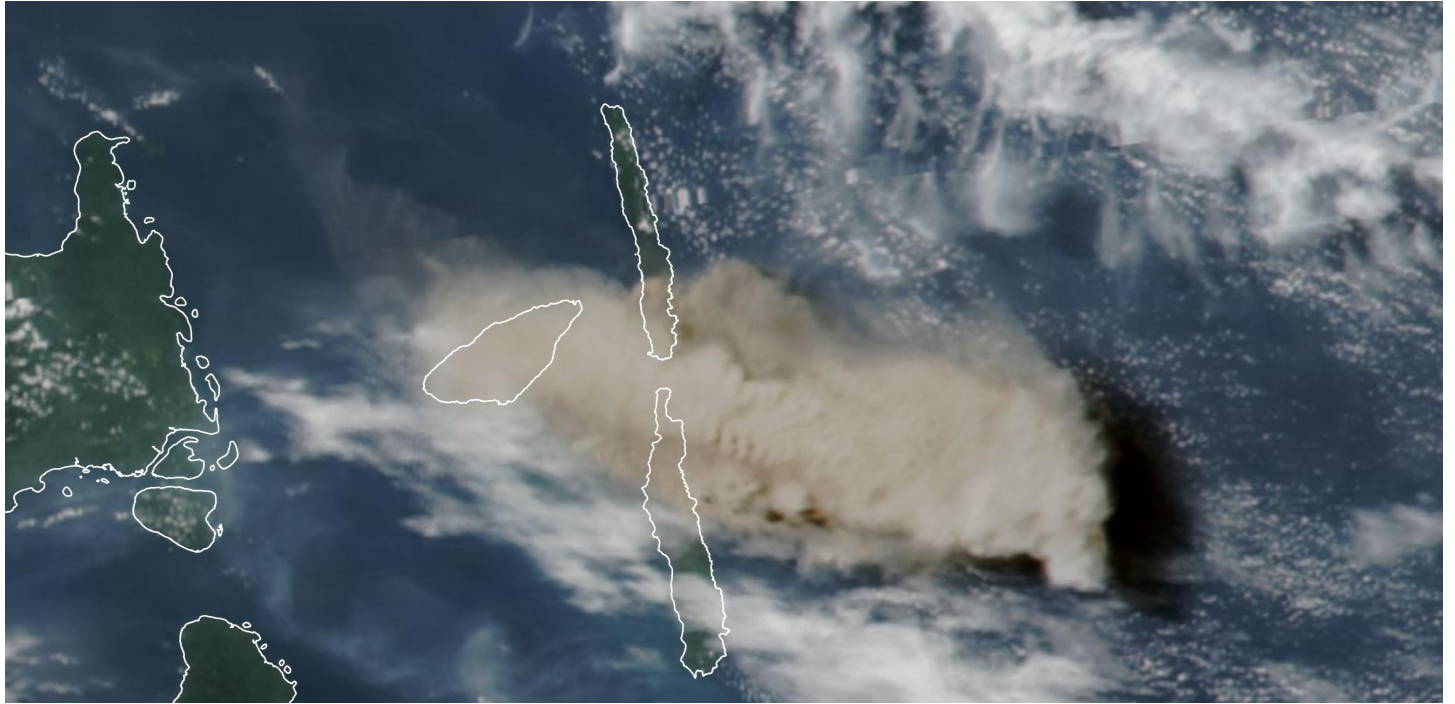# My NASA Data - Mini Lesson/Activity

Introduction to Volcanic Ash

Student Directions

Steps

[Video: NASA's Earth Minute: My Name is Aerosol](#)

Video

NASA's Earth Minute: My Name is Aerosol | https://www.youtube.com/watch?v=4eh6IKahbok |
Source: NASA Climate Change

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?

3. Watch the NASA video: *Fire, Ice, and Safer Skies: NASA Satellites Track Volcanic Clouds (below)* which describes hazards of volcanic emissions.

   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?

Video: Fire, Ice, and Safer Skies: NASA Satellites Track Volcanic Clouds

Video

Fire, Ice, and Safer Skies: NASA Satellites Track Volcanic Clouds |
https://www.youtube.com/watch?v=TP4vzFojewU&t=3s | Source: NASA

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.

Sources:

1. *NASA's Earth Minute: My Name is Aerosol.* (2017, January 13). YouTube. Retrieved April 28, 2022, from https://www.youtube.com/watch?v=4eh6IKahbok
2. *Fire, Ice, and Safer Skies: NASA Satellites Track Volcanic Clouds.* (2016, May 10). YouTube. Retrieved April 28, 2022, from https://www.youtube.com/watch?v=TP4vzFojewU

Visualization Tool

- [About the Earth System Data Explorer](#)