



Science on a Sphere Explorer

Tour - Monster Saharan Dust Plume

Debrief



SOS Explorer on your device:

- Be sure the SOS Explorer app is on one of your mobile devices. It is available for phones, tablets or Chromebooks.
- You can search “SOS Explorer” in an app store or follow the link on the Science on a Sphere website: https://sos.noaa.gov/SOS_Explorer/
- Launch the app, open up the dataset window (green arrow on the left) select “Tour - Monster Saharan Dust Plume,” go through the whole tour, complete the following questions.

Name _____

Class _____ Date _____

What did you learn?

If you need to, take the tour again before answering the next few questions.

- In your own words, what is the Saharan Air Layer (SAL)?

- What are some good effects that happen as a result of SAL?

- What are some bad effect that happen as a result of SAL?

Learn more about the science behind it...

Go to <https://www.aoml.noaa.gov/hurricane-research-division/>

- Click on one or more of the Hurricane Research Division projects at the Atlantic Oceanographic and Meteorological Laboratory and describe something that interests you.

Dust - Good or Bad for Hurricanes?

Go to <https://earthdata.nasa.gov/learn/sensing-our-planet/saharan-dust-versus-atlantic-hurricanes>

Read the article, then explain how SAL helps or hinders tropical storms.

Write down words that you don't understand ...

either ask your teacher or look them up later.
