My NASA Data - Mini Lesson/Activity

Exploring Sea Ice Changes Over Time

Student Directions

Watch the 2018 Arctic Sea Ice Ties for Sixth Lowest Minimum Extent on NASA Record video and answer the questions.

2018 Arctic Sea Ice Ties for Sixth Lowest Minimum Extent on NASA Record. Video Length: 3:10 | https://youtu.be/pyIdwDbtcGs

Steps:

1. Check with your instructor on how to submit your answers.
2. Describe the long-term trend that is depicted by the analysis of the polar sea ice covers for the past 40 years.
3. Describe what ICE-SAT2 measures.
4. Explain why this measurement is important.
5. How does sea ice thickness relate to the annual Arctic sea ice minimum extent?

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
- Glacier Area
- Monthly Snow and Ice Percent Cover
- Sea Ice Extent